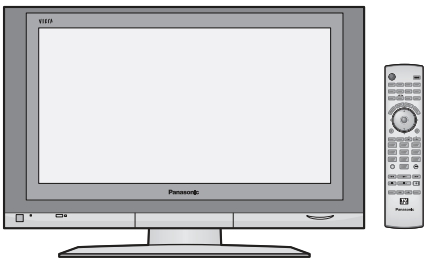
Panasonic®



Operating Instructions
Digital High Definition Plasma Television

Manual de instrucciones
Televisor digital con pantalla de plasma de alta definición



Model No.
Número de modelo

TH-42PX500U
TH-50PX500U

For assistance, please call : 1-888-VIEW-PTV (843-9788) **or visit us at www.panasonic.com/contactinfo** **(U.S.A.)**
For assistance, please call : 787-750-4300 **or visit us at www.panasonic.com** **(Puerto Rico)**
For assistance, please call : 1-800-561-5505 **or visit us at www.panasonic.ca** **(Canada)**
Para solicitar ayuda, llame al: 1-888-VIEW-PTV (843-9788) **o visítenos en www.panasonic.com/contactinfo** **(EE.UU.)**
Para solicitar ayuda, llame al: 787-750-4300 **o visítenos en www.panasonic.com** **(Puerto Rico)**

Before connecting, operating or adjusting this product, please read these instructions completely.
Please keep this manual for future reference.
Antes de conectar, utilizar o ajustar este producto, lea completamente este manual de instrucciones; y guárdelo para consultarlo en el futuro en caso de ser necesario.

English
Español

TQB2AA0540

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrow-head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

WARNING : To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place liquid containers (flower vase, cups, cosmetics, etc.) above the set (including on shelves above, etc.).

WARNING :
1) To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
2) Do not remove the grounding pin on the power plug. This apparatus is equipped with a three pin grounding-type power plug. This plug will only fit a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician. Do not defeat the purpose of the grounding plug.

Note : Do not allow a still picture to be displayed for an extended period, as this can cause a permanent afterimage to remain on the Plasma Television.
Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbols are trademarks of Dolby Laboratories.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

License description: To view the license information for software used in this product, press the Menu button and select [Set up] → [About] → [License]. (See page 34)

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

U.S. Patents Nos. 4,631,603; 4,577,216; 4,819,098; 4,907,093; 6,381,747; and 6,516,132.

SD Logo is a trademark.

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The TV Guide On Screen™ system is manufactured under license from Gemstar-TV Guide International, Inc. and/or one of its affiliates.

The TV Guide On Screen™ system is protected by one or more of the following issued United States patents 6,498,895, 6,418,556, 6,331,877; 6,239,794; 6,154,203; 5,940,073; 4,908,713; 4,751,578; 4,706,121.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments / accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.



13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.

FCC STATEMENT

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION:
To assure continued compliance and possible undesirable interference, the provided ferrite cores must be used when connecting this plasma television to video equipment; and maintain at least 40 cm spacing to other peripheral devices. Refer to instructions on pages 6, 12, 14.
Any changes or modifications to this TV not expressly approved by Panasonic Corporation of North America could result harmful interference and would void the user's authority to operate this device.

FCC Declaration of Conformity
Model No. TH-42PX500U, TH-50PX500U

Responsible Party:	Panasonic Corporation of North America One Panasonic Way, Secaucus, NJ 07094
Contact Source:	Panasonic Consumer Electronics Company 1-888-VIEW-PTV (843-9788)
email:	consumerproducts@panasonic.com

CANADIAN NOTICE:
For Models TH-42PX500U, TH-50PX500U
This Class B digital apparatus complies with Canadian ICES-003.

Dear Panasonic Customer

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new Plasma TV.

To obtain maximum benefit from your set, please read these Instructions before making any adjustments, and retain them for future reference.

Retain your purchase receipt also, and record the model number and serial number of your set in the space provided on the back cover of these instructions.

Visit our Panasonic Web Site: www.panasonic.com

For assistance, please call : 1-888-VIEW-PTV (843-9788) **or visit us at www.panasonic.com/contactinfo**	**(U.S.A.)**
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⚠ WARNING

SMALL PARTS CAN PRESENT CHOKING HAZARD IF ACCIDENTALLY SWALLOWED.
KEEP SMALL PARTS AWAY FROM YOUNG CHILDREN.
DISCARD UNNEEDED SMALL PARTS AND OTHER OBJECTS, INCLUDING PACKAGING MATERIALS AND PLASTIC BAGS/ SHEETS TO PREVENT THEM FROM BEING PLAYED WITH BY YOUNG CHILDREN, CREATING THE POTENTIAL RISK OF SUFFOCATION.

Set up

Do not place the Plasma TV on sloped or unstable surfaces.

- The Plasma TV may fall off or tip over.

Do not place any objects on top of the Plasma TV.

- If water spills onto the Plasma TV or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Plasma TV, please consult an Authorized Service Center.

Do not cover the ventilation holes.

- Doing so may cause the Plasma TV to overheat, which can cause fire or damage to the Plasma TV.

If using the pedestal, leave a space of 3 15/16" (10 cm) or more at the top, left and right, 2 3/8" (6 cm) or more at the bottom, and 2 3/4" (7 cm) or more at the rear. If using some other setting-up method, leave a space of 3 15/16" (10 cm) or more at the top, bottom, left and right, and 3/4" (1.9 cm) or more at the rear.

Avoid installing this product near electronic equipment that is readily affected by electromagnetic waves.

- It may cause interference in image, sound, etc. In particular, keep video equipment away from this product.

AC Power Supply Cord

The Plasma TV is designed to operate on 120 V AC, 50/60 Hz.

Securely insert the power cord plug as far as it will go.

- If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket plate is loose, they should not be used.

Do not handle the power cord plug with wet hands.

- Doing so may cause electric shocks.

Do not do anything that might damage the power cable. When disconnecting the power cable, hold the plug, not the cable.

- Do not make any modifications to, place heavy objects on, place near hot objects, heat, bend, twist or forcefully pull the power cable. Doing so may cause damage to the power cable which can cause fire or electric shock. If damage to the cable is suspected, have it repaired at an Authorized Service Center.

If the Plasma TV will not be used for a long period of time, unplug the power cord from the wall outlet.

If problems occur during use

If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odor is detected from the Plasma TV, unplug the power cord immediately.

- Continued use of the TV under these conditions might cause fire or permanent damage to the unit. Have the TV evaluated at an Authorized Service Center. Servicing of the TV by any unauthorized personnel is strongly discouraged due to its high voltage dangerous nature.

If water or foreign objects get inside the Plasma TV, if the Plasma TV is dropped, or if the cabinet becomes damaged, disconnect the power cord plug immediately.

- A short may occur, which could cause fire. Contact an Authorized Service Center for any repairs that need to be made.

⚠ CAUTION

This Plasma TV is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.

(All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

- Pedestal (included)
 TY-ST42PX500 (TH-42PX500U)
 TY-ST50PX500 (TH-50PX500U)
- Wall-hanging bracket (Vertical) TY-WK42PV3U
- Wall-hanging bracket (Angled) TY-WK42PR2U
- Floor stand
 TY-S42PX500W (TH-42PX500U)
 TY-S50PX500W (TH-50PX500U)

Always be sure to ask a qualified technician to carry out set-up.

When using the Plasma TV

Do not bring your hands, face or objects close to the ventilation holes of the Plasma TV.

- Top of the Plasma TV is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries can happen if any body parts are brought too close. Placing any object near the top of the TV could also result in heat damage to the object as well as to the TV if its ventilation holes are blocked.

Be sure to disconnect all cables before moving the Plasma TV.

- Moving the TV with its cables attached might damage the cables which, in turn, can cause fire or electric shock.

Disconnect the power plug from the wall outlet as a safety precaution before carrying out any cleaning.

- Electric shocks can result if this is not done.

Clean the power cable regularly to prevent it from becoming dusty.

- Built-up dust on the power cord plug can increase humidity which might damage the insulation and cause fire. Unplug the cord from the wall outlet and clean it with a dry cloth.

This Plasma TV radiates infrared rays; therefore, it may affect other infrared communication equipment.

Install your infrared sensor in a place away from direct or reflected light from your Plasma TV.

Note:

Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV.

Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

Cleaning and maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, soak a soft, lint-free cloth in a weak detergent solution and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the display panel, then wipe it evenly with a dry cloth, of the same type, until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner; otherwise, the quality of the surface may be adversely affected.

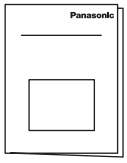
If the cabinet becomes dirty, wipe it with a soft, dry cloth.

- If the cabinet is particularly dirty, soak the cloth in a weak detergent solution and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Plasma TV.
 If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner; otherwise, the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

Accessories

Check that you have the Accessories and items shown ☑

☐ Operating Instruction



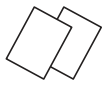
☐ Remote control
EUR7627Z50 or
EUR7627Z80



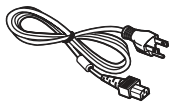
☐ Batteries for the remote control
(AA Battery × 2)



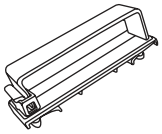
☐ Product Registration Card (for U.S.A.)
Customer Care Plan Card (for U.S.A.)



☐ AC cord



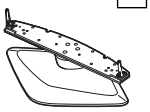
☐ Cable clamper × 2



☐ F-Type antenna adapter
(for 5C-2V)
(× 1)



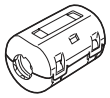
☐ Pedestal
TY-ST42PX500
(TH-42PX500U)
TY-ST50PX500
(TH-50PX500U)



☐ IR Blaster
(× 1)
TNQX016



☐ Ferrite core
Large size × 1
ZCAT3035-1330



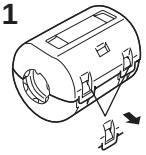
Small size
Gray color × 1
ZCAT2235-1030
White color × 4
RFC-8



Attaching the ferrite core

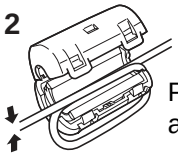
Be sure to choose the appropriate size of ferrite core (large or small) and the correct setting of the cable (winding), as indicated by each connection diagram on the following pages (12, 14).

1



Pull back the tabs (in two places) to open.

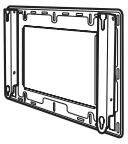
2



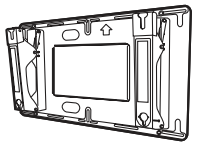
Put the cable and close.

Optional Accessories

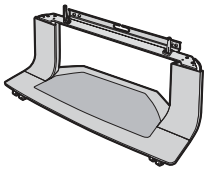
- Wall-hanging bracket (vertical)
 TY-WK42PV3U



- Wall-hanging bracket (Angled)
 TY-WK42PR2U



- Floor stand
 TY-S42PX500W
 (TH-42PX500U)
 TY-S50PX500W
 (TH-50PX500U)



Installation

Receiver Location

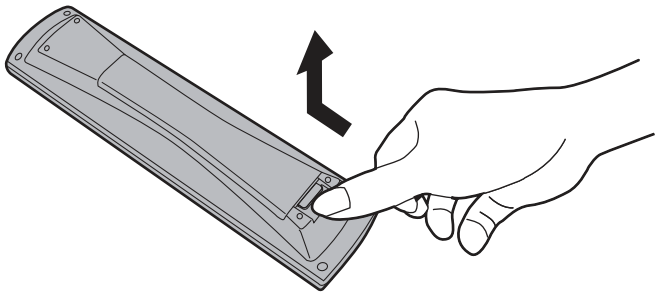
This unit is intended to be used with the stand or bracket. Consult your dealer for available options. Position for comfortable viewing. Avoid placing where sunlight or other bright light (including reflections) will fall on the screen.
Use of some types of fluorescent lighting can reduce remote control transmitter range.
Adequate ventilation is essential to prevent internal component failure. Keep away from areas of excessive heat or moisture.

Optional External Equipment

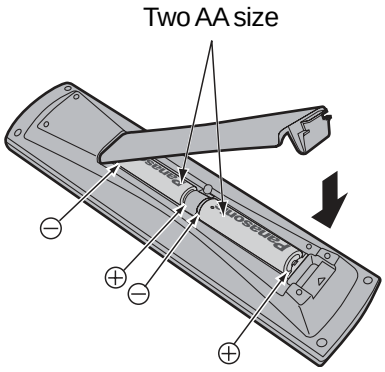
The Video/Audio connection between components can be made with shielded video and audio cables. For best performance, video cables should utilize 75 ohm coaxial shielded wire. Cables are available from your dealer or electronic supply store.
Before you purchase any cables, be sure you know what type of output and input connectors your various components require. Also determine the length of cable you will need.

Remote Control Battery Installation

1. Open the cover.



2. Install the batteries and replace the cover. Note the correct polarity (+ and –).



Helpful Hints:

For frequent remote control users, replace old batteries with alkaline batteries for longer life.

Helpful Hints:

Whenever you remove the batteries, **you may need to reset the remote control infrared codes**. We recommend that you record the code on page 54, prior to setting up the remote control.

⚠ Precaution on battery use

Incorrect installation can cause battery leakage and corrosion that will damage the remote control transmitter.

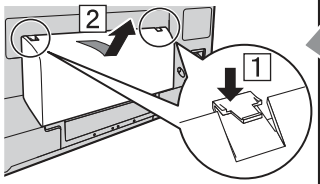
Observe the following precautions:

1. Batteries should always be replaced as a pair. Always use new batteries when replacing the old set.
2. Do not combine a used battery with a new one.
3. Do not mix battery types (example: “Zinc Carbon” with “Alkaline”).
4. Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
5. Battery replacement is necessary when remote control acts sporadically or stops operating the TV set.

Cable binding instructions

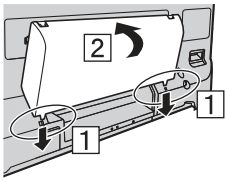
Cable cover

Removal

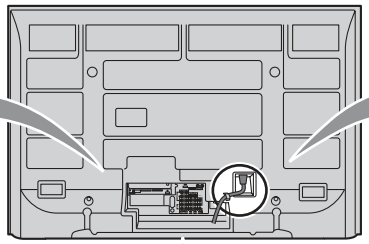


1 Push down hooks and pull the cover slightly towards yourself to disengage the claws (at 2 points).
2 Slowly pull out in the upward direction.

Fitting

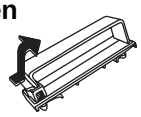


1 Insert the claws (at 2 points) at the bottom end.
2 Push until it clicks.

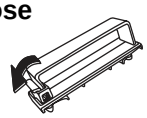


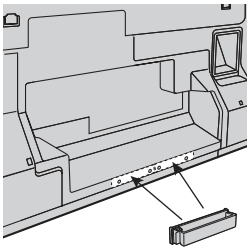
Clamper

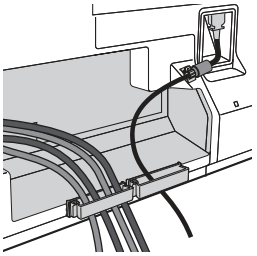
Open



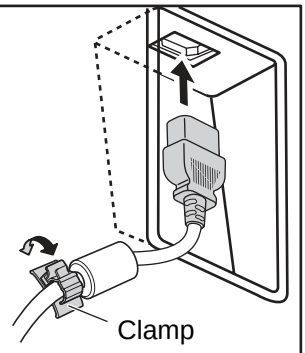
Close



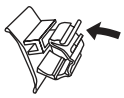




AC cord

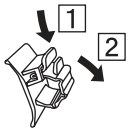


How to fix:



Fix by pushing in until a clicking sound is heard.

How to release:

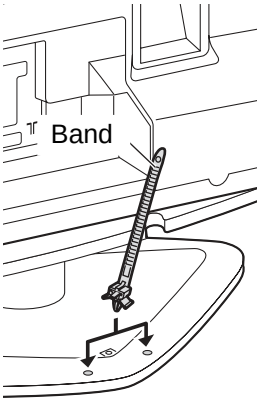


Pull down while drawing the knob.

Note: To avoid interference appearing on the screen, do not bundle the RF cable and mains lead together.

Cable binding condition

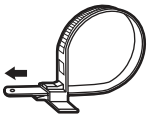
Attach the bands.
Insert the spigot on the two bands into the pedestal.



Fastening band

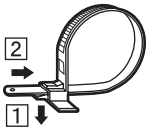
Fastening

To tighten.



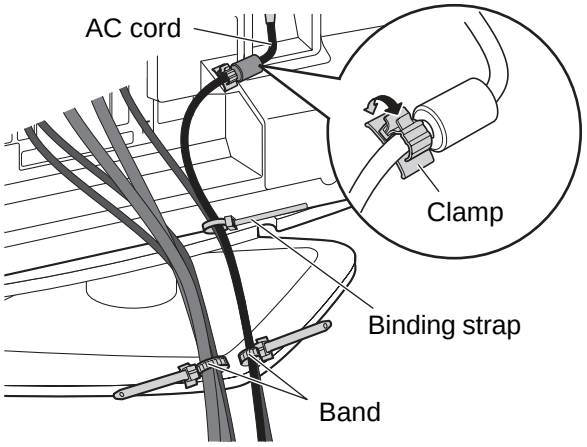
Loosening

Pull off.



Keep the knob pressed.

Connect cables.
Example of “connection cable routing”

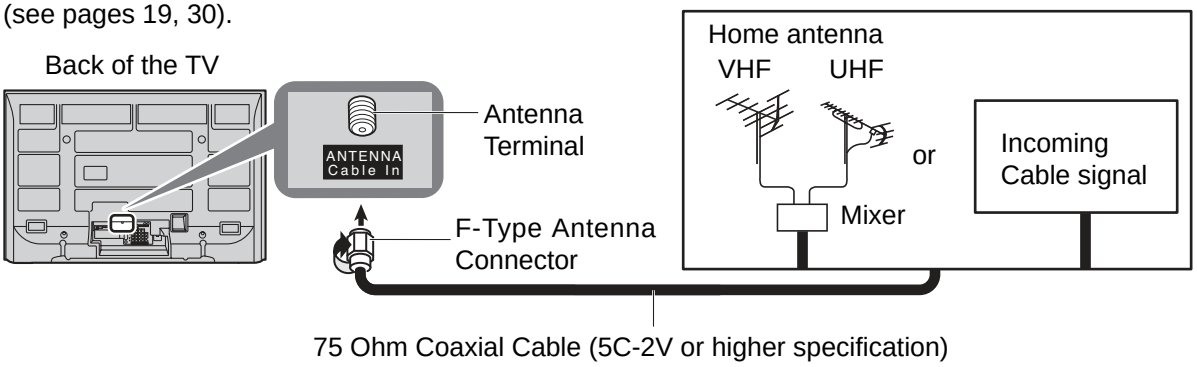


Connection

Note:
Cables and connectors are not supplied with this set.

Antenna Connection

The RF input mode must be set to Antenna
(see pages 19, 30).

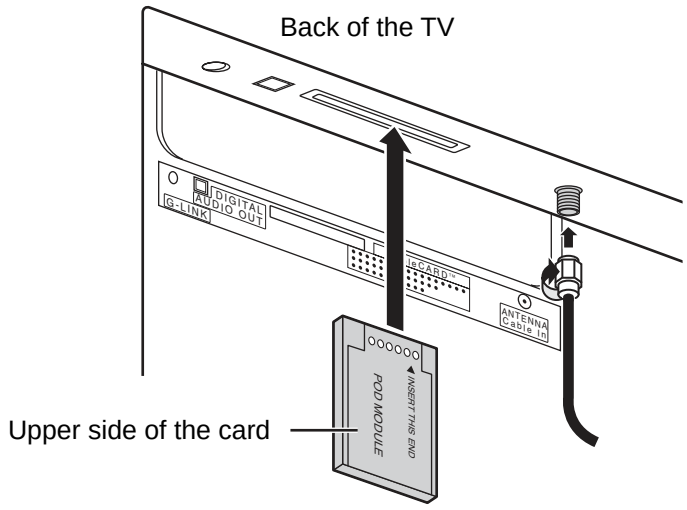


CableCARD™ Connection

CableCARD™ allows you to tune digital and high definition cable channels through the cable antenna.
Consult your cable company on the availability of CableCARD™.

Procedure

1. Connect the cable antenna to ANT connector.
2. Turn the TV on (see page 15).
3. Set the input mode to TV (see page 16).
4. Insert the CableCARD™ (with upper side facing you) into CableCARD™ slot on the back of the TV.
 Follow the messages displayed on the screen.



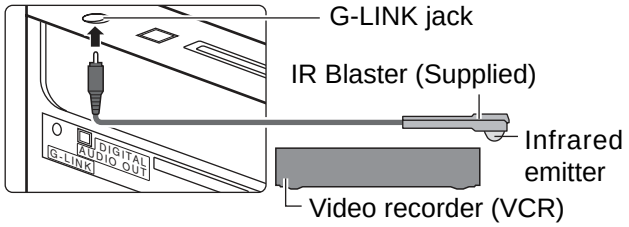
Notes:

- If you experience keyboard or remote control function hang-up when using CableCARD™ , unplug the TV and plug it back on and try the controls again. If this condition persists, please call Panasonic Customer Call Center for further instructions.
- Do not insert a PCMCIA card into CableCARD™ slot.

IR Blaster Connection

With the IR Blaster connection setting timer recording can be done easily by using the TV GUIDE function in this set.

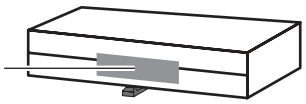
Connect the IR Blaster if you wish to send remote control signals from the plasma TV to control the recording of a connected video recorder.
Position the IR Blaster remote control emitter facing the signal sensor of the video recorder and you will be able to easily record programs from digital broadcasts using a video recorder connected to the plasma TV.



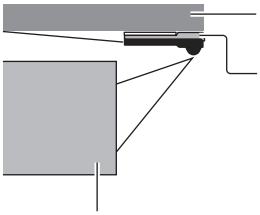
Setting the IR Blaster

Place the IR Blaster in front of the signal sensor of the video recorder. (VCR)

Read the video recorder operating instructions regarding positioning of the signal sensor.



If necessary, use the double sided adhesive tape (included) to secure the IR Blaster to a flat surface.

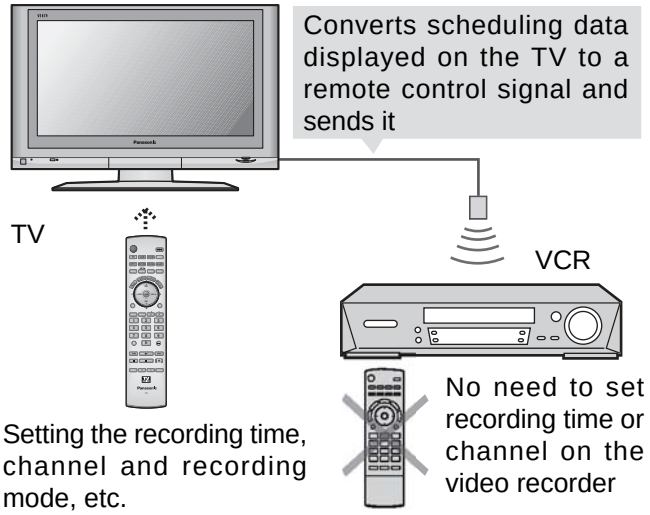


If you peel off the adhesive tape, the surface may become damaged. Once you have confirmed the video recorder is operating correctly, secure it by attaching the adhesive tape.

Introduction to recording scheduling using the IR Blaster

You may do recording scheduling from the TV Guide of this TV after installing the IR Blaster. (See page 43)

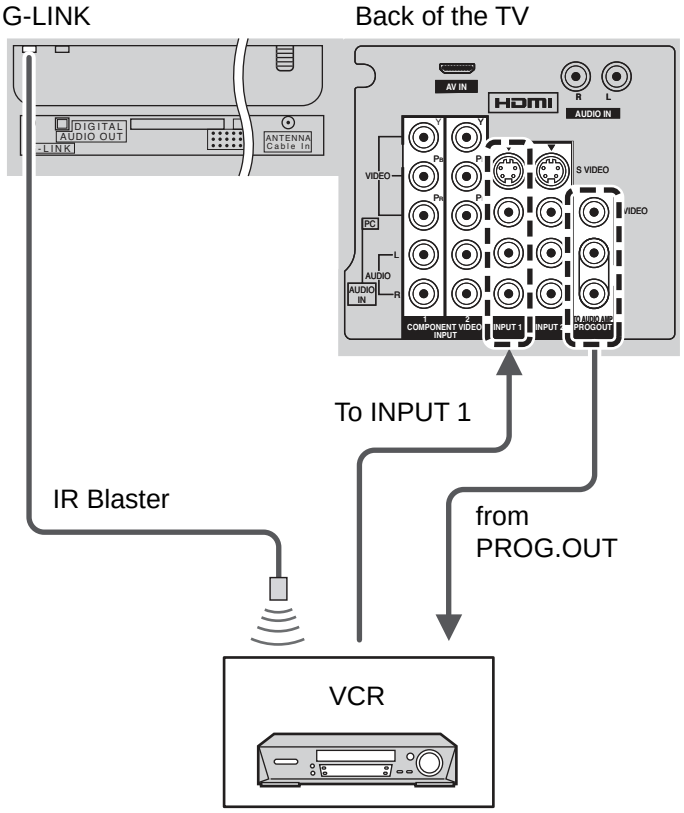
The TV acts as a proxy for some remote control operations of the VCR.



Settings other than basic ones (such as recording time and channel) must be set on the VCR.

INPUT / OUTPUT Connection

Connection for recording to a VCR by using TV GUIDE



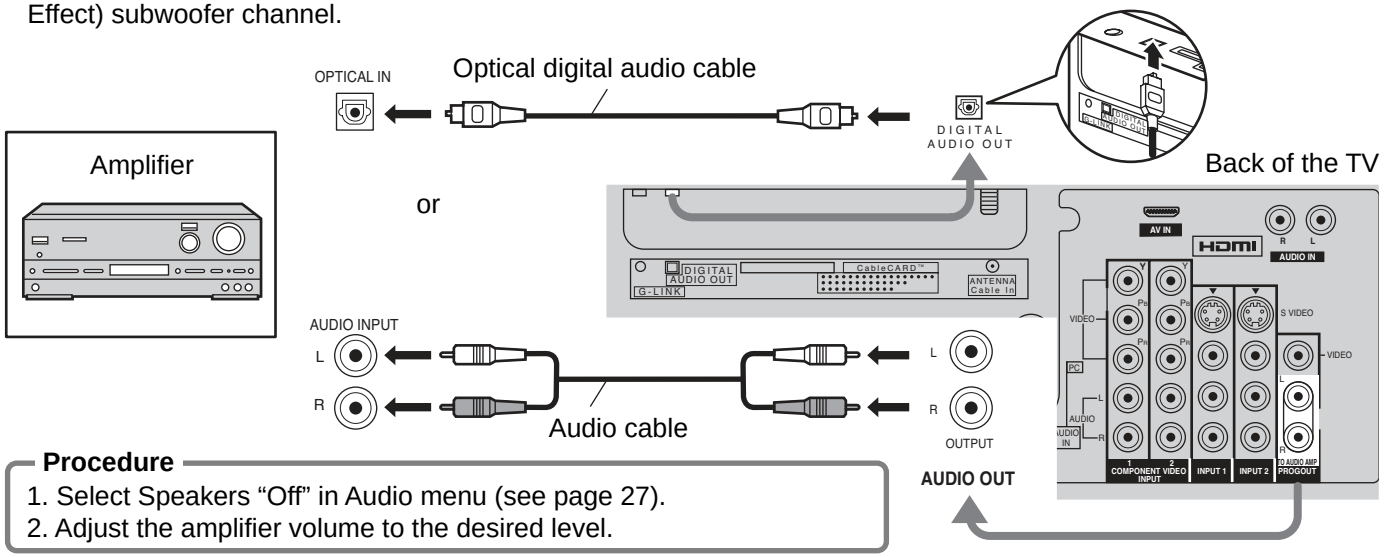
Notes:

- The input signals connected to INPUT 1 cannot be output from PROG. OUT terminals. (both Video and audio) However, output can be obtained from optical Digital Audio terminals.
 (Input signals other than from INPUT 1 can be output from PROG. OUT.)
- When you make schedule recording using TV Guide with IR blaster, you have to select in your VCR Line-1 (L-1) and set your VCR in OFF condition.
 (Refer to the Operating Instruction manual of VCR)

Amplifier Connection (TO AUDIO AMP)

For a full Home Theater sound experience, an external Dolby Digital decoder and a multichannel amplifier must be connected to the DIGITAL AUDIO OUT terminal on the TV.

Dolby Digital 5.1 channel surround sound delivers digital-quality sound. Dolby Digital provides five discrete full-bandwidth channels for front left, front right, center, surround left and surround right, plus a LFE (Low Frequency Effect) subwoofer channel.



Procedure

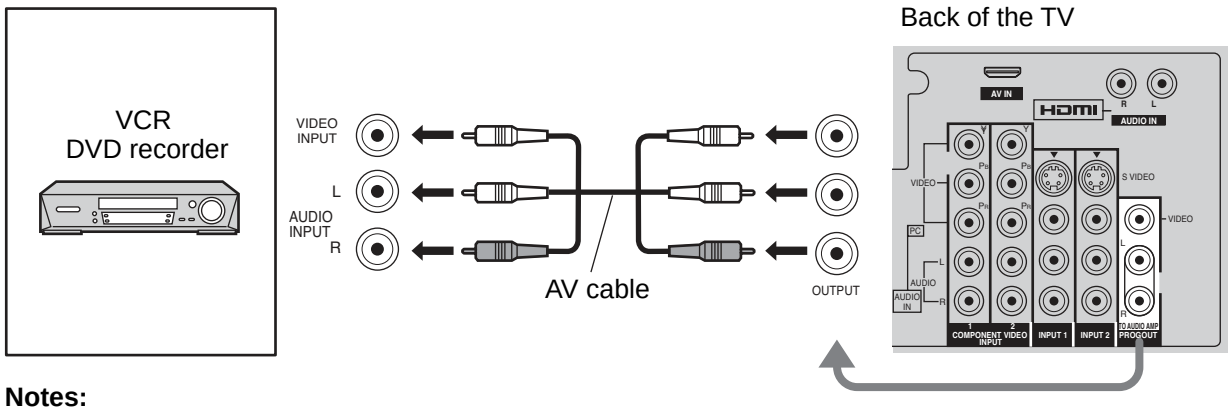
1. Select Speakers “Off” in Audio menu (see page 27).
2. Adjust the amplifier volume to the desired level.

Notes:

- Depending on your DVD player and DVD-Audio software the copyright protection function may operate and disable optical output.
- External speakers cannot be connected directly to OUTPUT terminals.
- When ATSC channel is selected, the output from the DIGITAL AUDIO OUT jack will be Dolby Digital. When NTSC channel is selected, the output will be PCM.

Program Out Connection (PROG OUT)

See optional equipment manual for further instructions for recording and monitoring.



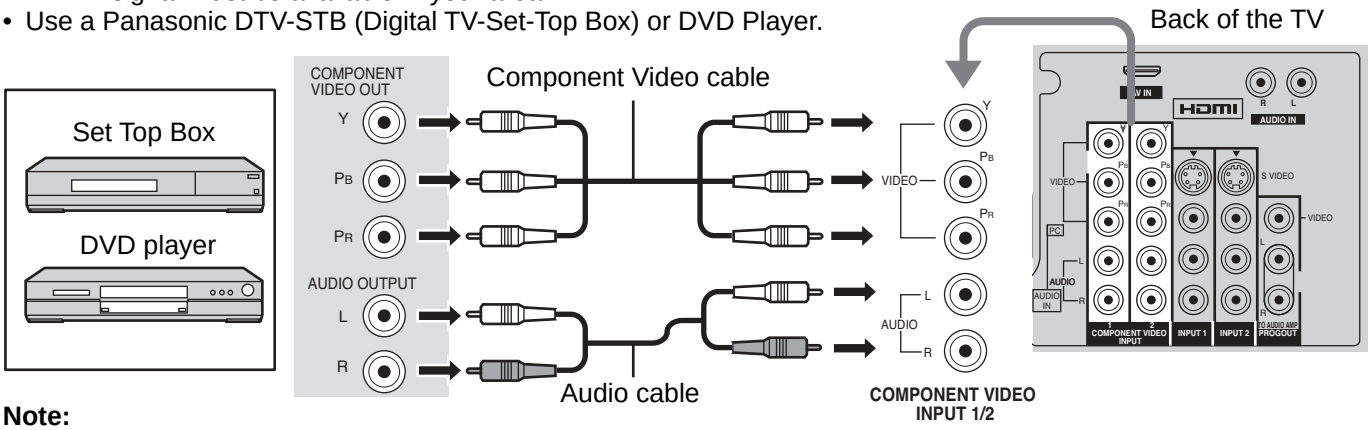
Notes:

- The input signals connected to INPUT1 cannot be output from PROG. OUT terminals. (both picture and audio) However, output can be obtained from optical Digital Audio terminals. (Input signals other than from INPUT1 can be output from PROG. OUT.)
- Connect the output of the Video recorder to INPUT1, when recording by using TV GUIDE.
- When a device (STB, DVD, etc.) is connected to the HDMI or COMPONENT terminals (see pages 12, 13), only audio signals will be output. No video signals will be output.
- When a schedule recording is activated on the TV Guide, the show will be recorded on a connected VCR. Please note that the screen will automatically be switched to the channel of the recorded show.
- When receiving digital channel signals, all digital formats are down-converted to composite NTSC video to be output through Program Out terminals.
- Some programs contain a Macrovision signal to prevent VCR recording.

Digital TV - Set-Top Box (DTV-STB) or DVD Connection

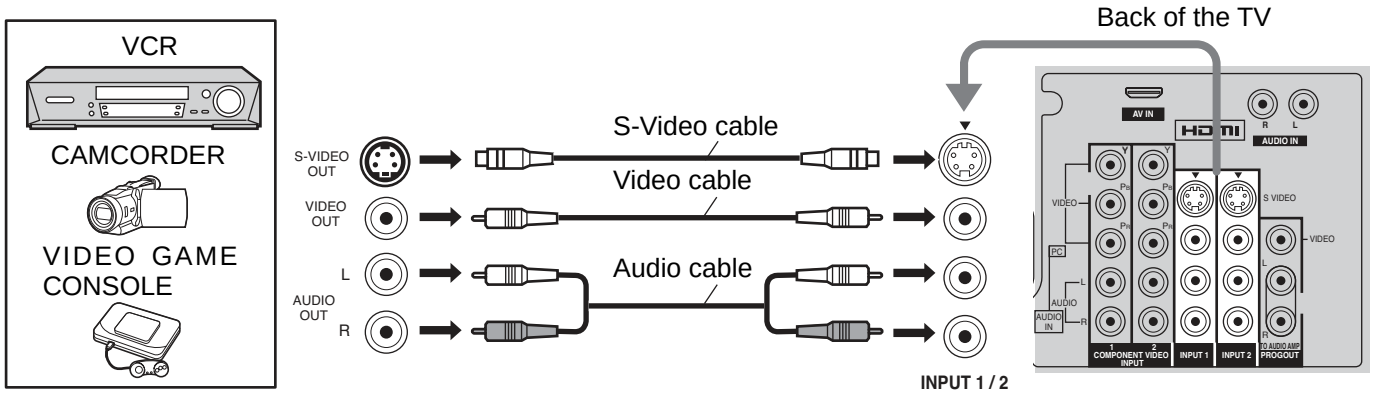
This TV is capable of displaying 1080i, 720p, 480p and 480i DTV signals when connected to a DTV Tuner Set-Top Box (STB). This TV also utilizes a progressive scan doubler, which de-interlaces the NTSC signal and progressively scans the image.

- To view DTV programs, connect the STB to the component video input terminals (Y, P_B, P_R) of the TV. Component color inputs provide luminance and separate color signal.
- Set the output of the STB to either 1080i, 720p, 480p or 480i.
- A DTV signal must be available in your area.
- Use a Panasonic DTV-STB (Digital TV-Set-Top Box) or DVD Player.



Note:
All signals will be re-formatted for viewing on your plasma display.

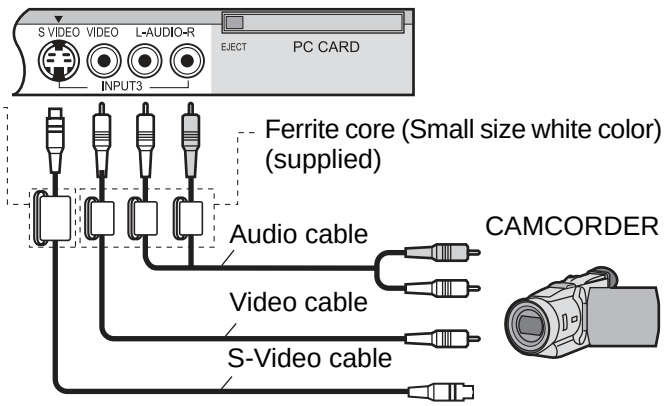
Video Input Connection



Note:
The S Video input will override the composite video signal when S Video cable is connected.
Connect either S Video cable or Video cable.

Connecting to the front AV terminals

Push to open the front panel and connect equipment to front Audio/Video input terminals.



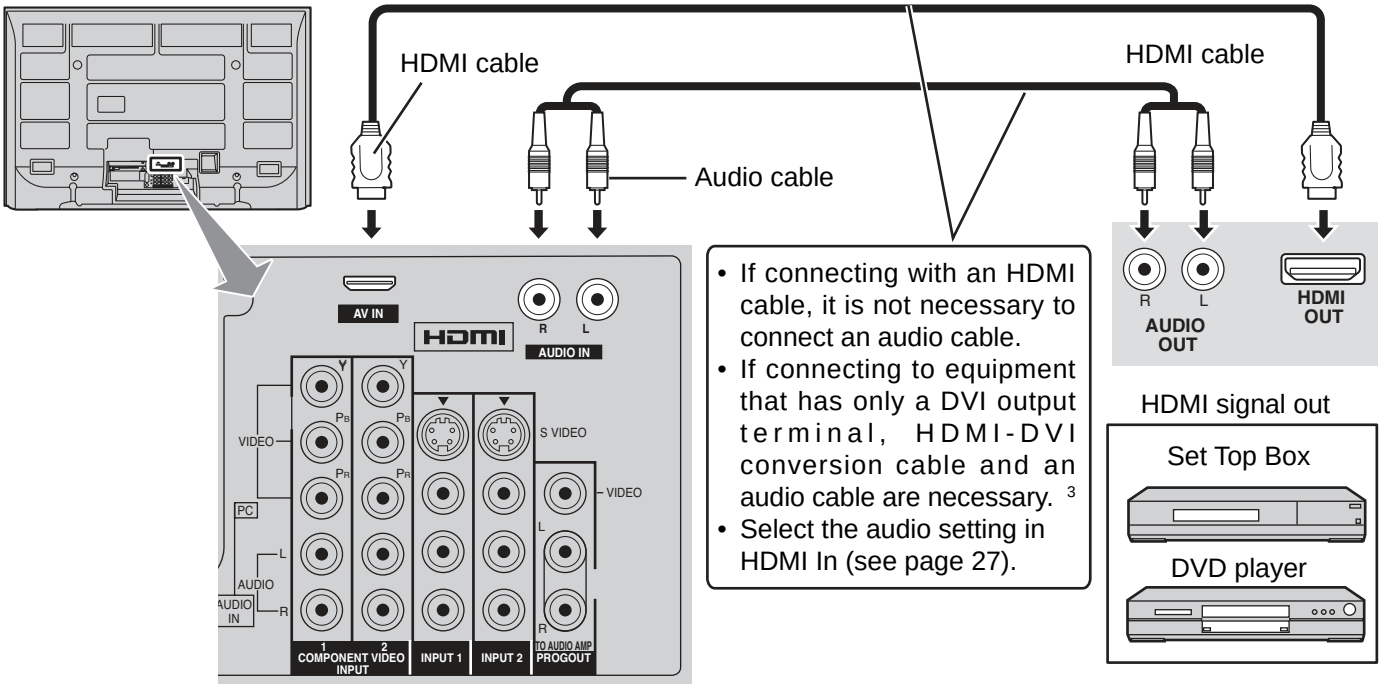
A second VCR, video disc player, video game equipment and DSS equipment can also be connected to the video input terminals. See the optional equipment manual for details.

Note:
The S-VIDEO connection provides higher quality picture. It overrides other VIDEO connections. Use INPUT 3, AUDIO L and R with S-VIDEO connection.

HDMI Connection

HDMI [1] (High Definition Multi media Interface) is the first all digital consumer electronics A/V interface that supports uncompressed standard. The HDMI terminal supports both video and audio information.
To the HDMI [1] input terminal, you can connect an EIA/CEA-861/861B [2] compliant consumer electronic device, such as a Set-Top Box or DVD player with HDMI or DVI output terminal.

Input a High-bandwidth Digital Content Protection (HDCP) high-definition picture source to this HDMI terminal, so you can display high-definition pictures on this TV in digital form.



- If connecting with an HDMI cable, it is not necessary to connect an audio cable.
- If connecting to equipment that has only a DVI output terminal, HDMI-DVI conversion cable and an audio cable are necessary. [3]
- Select the audio setting in HDMI In (see page 27).

■ Compatible VIDEO Signal

	No. of dots (H × V)	Vertical scanning frequency (Hz)
1080i	1,920 × 1,080i	59.94/60
720p	1280 × 720p	59.94/60
480p	720 × 480p, 640 × 480p	59.94/60, 59.94/60
480i	720(1,440) × 480i	59.94/60

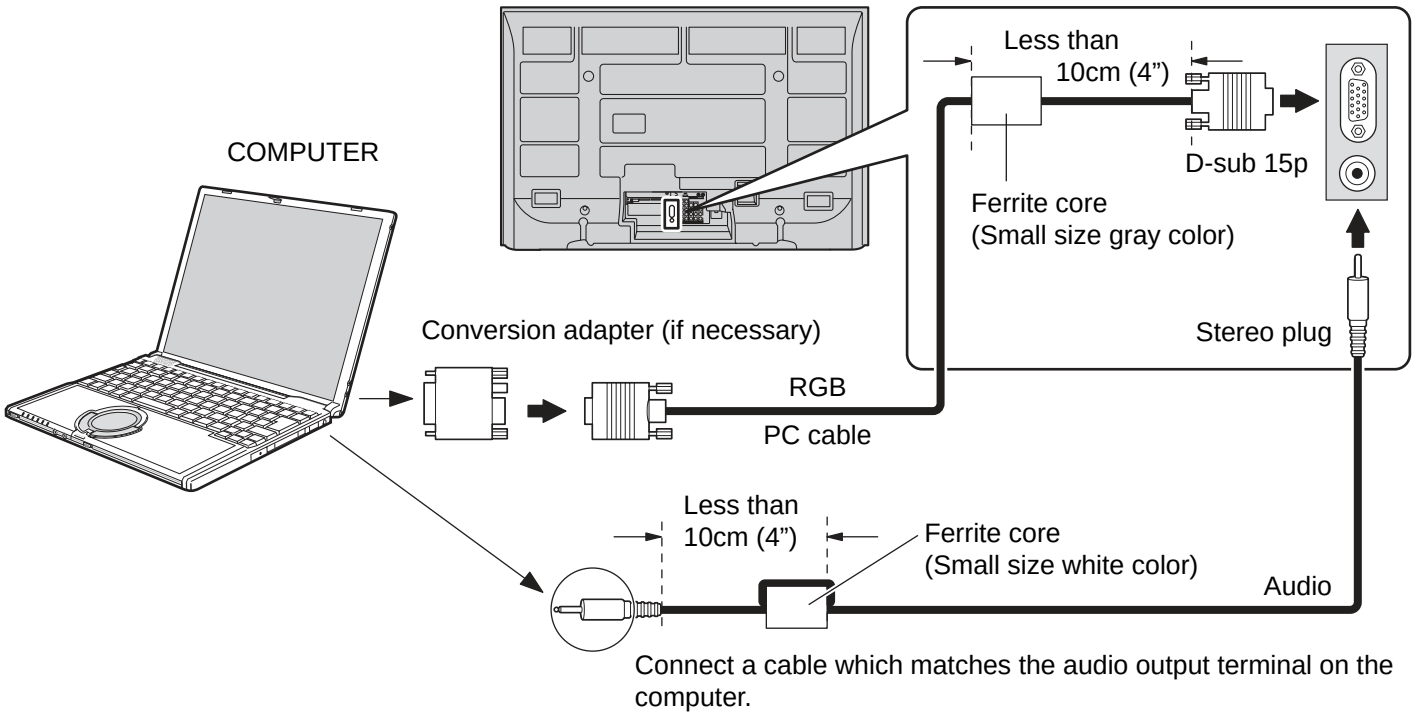
Notes:
- This input terminal is not intended for use with computers.
- All signals will be re-formatted for viewing on your plasma display.

■ Compatible sampling frequency of AUDIO signal through HDMI (L.PCM) : 48 kHz / 44.1 kHz / 32 kHz

Notes:
- This HDMI connector is Type A.
- If you connect equipment without a digital output terminal, connect to the COMPONENT VIDEO, S VIDEO or VIDEO input terminal on the TV so you can enjoy an analog signal.
- If you cannot display the picture because your Digital Set-Top Box does not have a DIGITAL OUT terminal Output setting, use the component Video Input (or the S Video Input or Video Input). In this case the picture will be displayed as an analog signal.

1. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
2. EIA/CEA-861/861B profiles compliance covers profiles for transmission of uncompressed digital video including high bandwidth digital content protection.
3. HDMI-DVI conversion cable (TY-SCH03DH): available from Panasonic Website. Consult your consumer electronics dealer for availability details.

PC Input Terminals Connection



Notes:

(1) Computer signals which can be input are those with a horizontal scanning frequency of 15 to 110 kHz and vertical scanning frequency of 48 to 120 Hz. (However, the image will not be displayed properly if the signals exceed 1,200 lines.)

(2) The maximum resolution:

Model	Aspect	
	4:3	16:9
TH-42PX500U	768 × 768	1,024 × 768
TH-50PX500U	1,024 × 768	1,366 × 768

If the display resolution exceeds these maximums, it may not be possible to show fine detail with sufficient clarity.

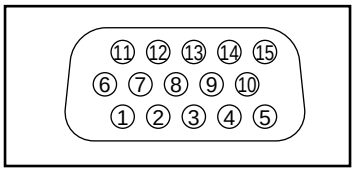
(3) Some PC models cannot be connected to the set.

(4) There is no need to use an adapter for computers with IBM PC/AT compatible D-sub 15P terminal.

(5) The computer shown in the illustration is for example purposes only.

(6) Additional equipment and cables shown are not supplied with this set.

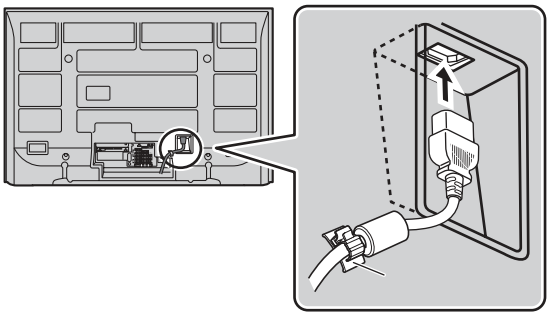
Signal Names for D-sub 15P Connector



Pin Layout for PC Input Terminal

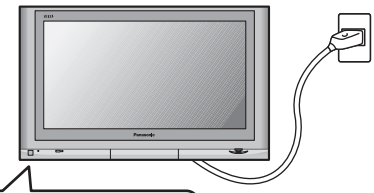
Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
①	R	⑥	GND (Ground)	⑪	NC (not connected)
②	G	⑦	GND (Ground)	⑫	NC
③	B	⑧	GND (Ground)	⑬	HD/SYNC
④	NC (not connected)	⑨	NC (not connected)	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	NC

Power ON / OFF

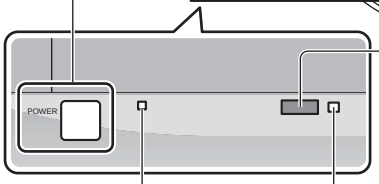


1 Connect the AC cord plug to the Plasma TV.
- Fix the power cord plug securely with the clamper (see page 8).

2 Connect the plug to the wall outlet.



POWER button
Press to turn the TV's main power on/off.

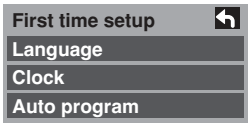


Remote control sensor
Within about 23 feet (7 meters) in front of the TV set.

Power indicator
Power on : Red
Power off : No Light

C.A.T.S.
Plasma C.A.T.S. (Contrast Automatic Tracking System). See page 24.

3 Press POWER button on front of this unit.
First time setup is displayed on screen.

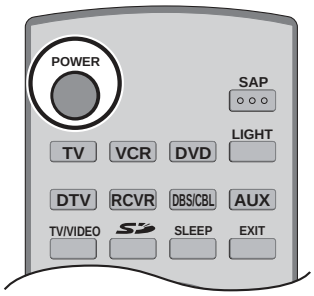


(Refer to page 18-20 for operation)

4 POWER

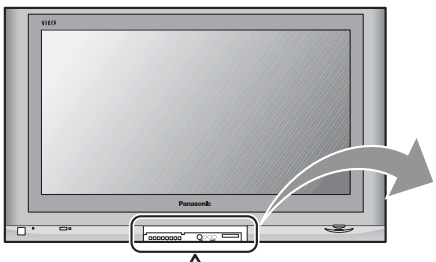


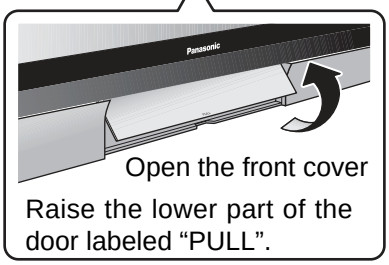
Press to turn the TV on or off.



Notes:
- The TV will still consume some power as long as the power cord is inserted into the wall outlet.
- The First time setup screen is displayed only the first time you turn the power on after purchase.
 If you wish to change the settings of these items later, select them via the Setup menu.

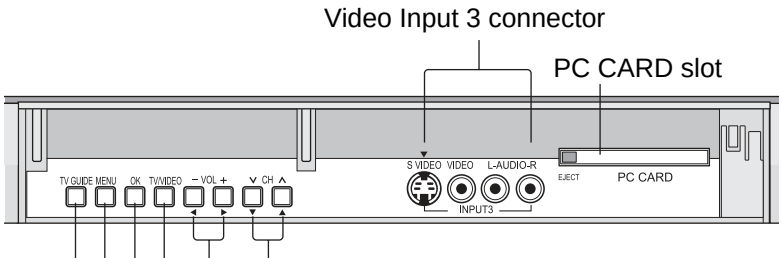
The Main Unit





Open the front cover

Raise the lower part of the door labeled "PULL".



Video Input 3 connector

PC CARD slot

Change the TV Channel.
(Move cursor to up or down during menu mode.)

Adjust the volume level.
(Move cursor to right or left during menu mode.)

Change the input mode.

Choose menu and submenu entry.

Display the Main menu.

Display the TV GUIDE.

Location of Controls

POWER
Turn the TV ON or OFF.

Mode Selection buttons (see page 53-55)

TV	: TV	**RCVR**	: Receiver/Amplifier
VCR	: VCR	**DBS/CBL**	: Digital Broadcast System/Cable TV
DVD	: DVD	**AUX**	: Aux
DTV	: Digital TV		

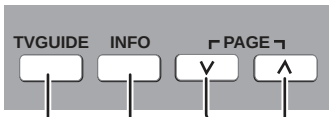
TV/VIDEO
Change the input mode.
- Press to display the Input selection menu.

Input select
[1] TV
[2] Component 1
[3] Component 2
[4] HDMI
[5] Video 1
[6] Video 2
[7] Video 3
[8] PC

- Press corresponding number key on the remote control to select the input of your choice.

Note:
Video input can also be selected by pressing TV/VIDEO, then the CH ▲▼ buttons, then pressing "OK" key.

SD
Access SD Memory Card. (see page 39).

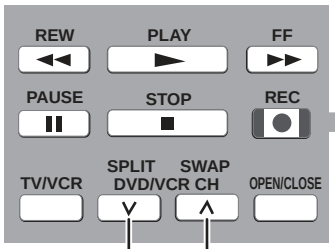


Page scroll on TV Guide

Press to display a help screen on TV Guide

Press to enter the TV Guide (see page 43)

R-TUNE
Switch to previously viewed channel and input modes.



Operation of other Device (see page 56)

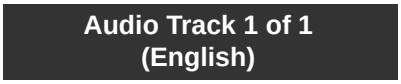
SWAP
Swap pictures in SPLIT operation (see page 52).

SPLIT
Split Screen (see page 52)



SAP

• Digital channel
Select the audio track (if available).



• Analog channel
Cycle through different audio modes. → Stereo → SAP → Mono

LIGHT
Illuminate the remote control buttons. The selected button blinks when lit.

SLEEP timer (minutes) → 0 → 30 → 60 → 90

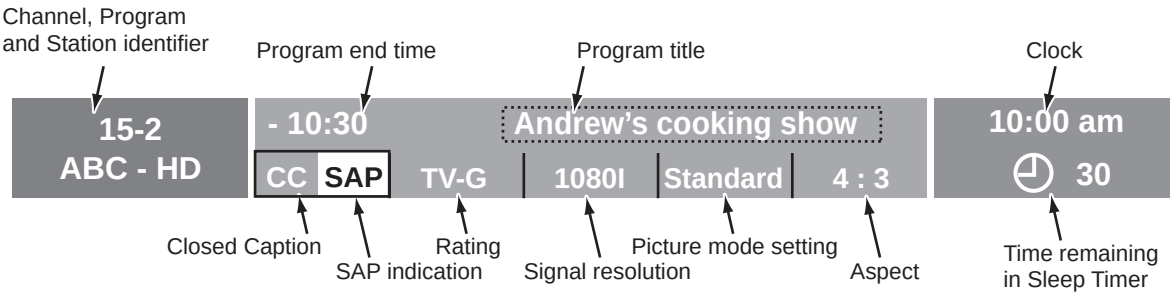
EXIT menus Normal viewing, from each menu.

MUTE
Mute the sound. Press again to cancel mute.

ASPECT
Change the screen aspect (see page 51).

FAVORITE
Channel numbers registered in Favorite are displayed on the favorite tune screen. Select the desired broadcast station with the cursor, or using number keys.

RECALL
Display or remove the channel banner.



∧ **CH**: Change to the next channel up.
∧ : Move cursor upward during menu mode.

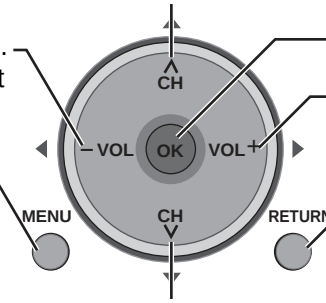
− **VOL** : Reduces volume.
− : Move cursor to the left during menu mode.

Choose menu and submenu entry.

VOL +: Increase volume.
+: Move cursor to the right during menu mode.

MENU
Display Main Menu

RETURN
Press to return to previous Menu.



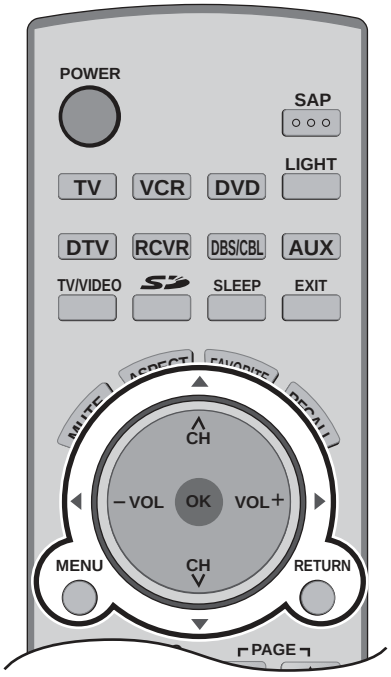
∨ **CH**: Change to the next channel down.
∨ : Move cursor downward during menu mode.

Direct program number selection buttons

PROG –: When tuning digital channel, press the button to enter the minor number in a compound channel number.
• To enter the channel number
e.g. CH 15-1: [1] → [5] → [-] → [1] → [OK]

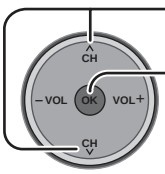
First time setup

For your convenience, First time setup menu will be displayed on screen when the set is turned on for the first time. If needed, follow the menus and procedures displayed on-screen for setting up the features.
You can also adjust the settings in Setup menu (see pages 29-31).



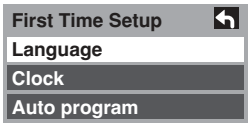
Language

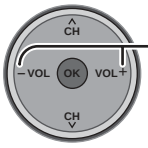
Allows you to select the language used for On Screen Displays.



Press to select “Language”.

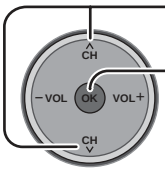
Press to display “Language” screen.





Press to select “English”, “Español” or “Français”.



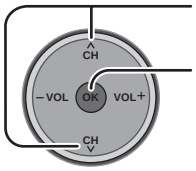


Press to move the cursor to ↰.

Press to go to previous screen.

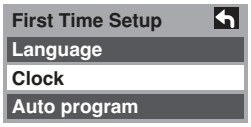


Clock

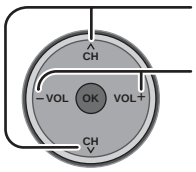


Press to select “Clock”.

Press to display the clock adjust screen.

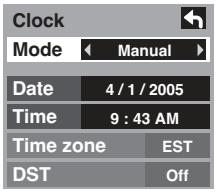


■ Mode



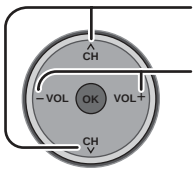
Press to select “Mode”.

Press to select “Manual” or “Auto”.
Manual : Registers the time set by user.
Auto : Updates the clock time by extracting time information from the digital broadcast.



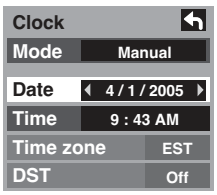
■ Date

Valid when Mode is set to manual.



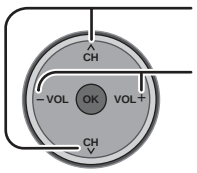
Press to select “Date”.

Press and release immediately to change the day; press and hold to change the month.



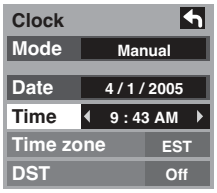
■ Time

Valid when Mode is set to manual.



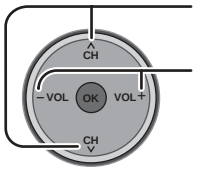
Press to select “Time”.

Press to adjust “Time”.
If the button is held, the speed of change increases.



■ Time zone

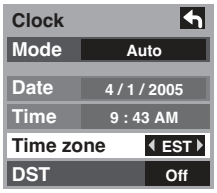
Valid when Mode is set to “Auto”.



Press to select “Time zone”.

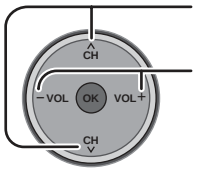
Press to select your zone.

AST ↔ EST ↔ CST ↔ MST ↔ PST
NST ↔ HST ↔ AKST



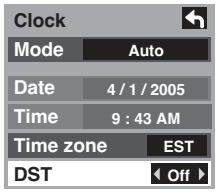
■ Daylight saving

Valid when Mode is set to “Auto”.



Press to select “DST” (Daylight saving).

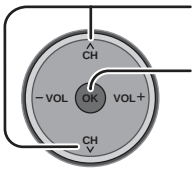
Press to select “On” or “Off”.



Auto program

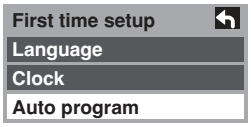
Auto program is not available while the CableCARD™ is inserted.
You can scan All (Analog and Digital) channels. If needed, follow the menus and procedures displayed on-screen for setting up the features.
You can also adjust the settings in Setup menu.

1

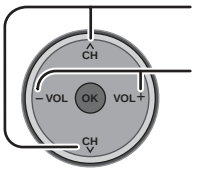


Press to select “Auto program”.

Press to display “Auto program” adjust screen.

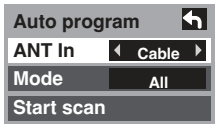


2

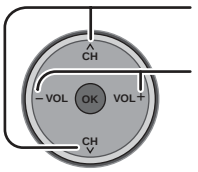


Press to select “ANT In”.

Press to select “Cable” or “Antenna”.

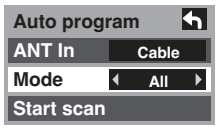


3

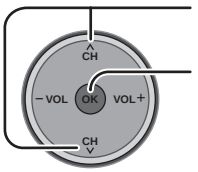


Press to select “Mode”.

Press to select “All” or “Analog ”.

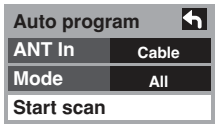


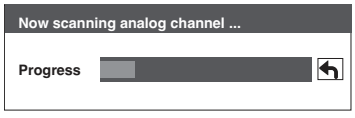
4



Press to select “Start scan”.

Press to start.
Channels available for reception will be set automatically.





- After Auto program is complete, the unit will return to Manual Program mode.

To make available a channel that has been located by auto scan, in the Manual program mode, move the cursor to “Apply” and press (OK) key.

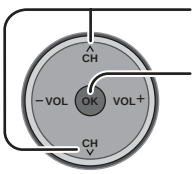
Press EXIT : **To exit the menu screen**

INITIAL GUIDE SETUP for TV Guide

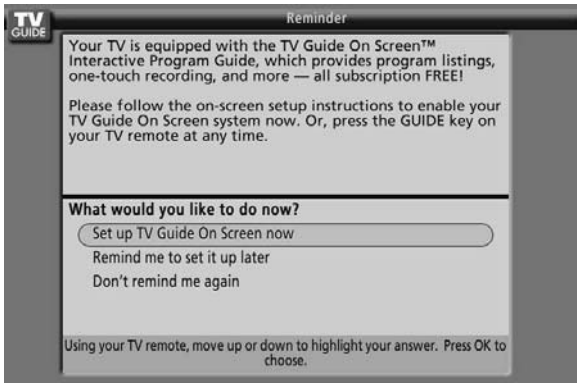
The TV Guide Welcome Screen is displayed at first time setup. Follow the guidance shown on the screen.

■ Reminder Screen

If you previously skipped TV Guide setup, you see the Reminder Screen when you power On your TV.



Move the highlighting to select an option.
Press OK to choose the option.

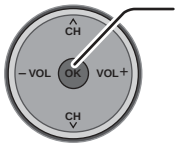


- Set up TV Guide On Screen now : TV Guide setup begins. Follow the instructions on the screen to perform setup. (See page 49, INITIAL GUIDE SETUP for TV Guide)
- Remind me to set it up later : The system returns to the normal TV screen.
- Don't remind me again : The system returns to the normal TV screen. The Reminder Screen will no longer be displayed when power is turned On.

Note:
If you decide not to setup the TV Guide now, this reminder screen will appear each time you power On the TV (except if you selected "Don't remind me again").

■ Welcome Screen

The Welcome Screen is displayed at first time setup.



Press OK to begin TV Guide setup.
Follow the instructions on the screen to perform setup.
(See pages 49-51)



Watching TV programs



1 TV

Press to operate the TV set with the remote control.

2 POWER

Press to turn the TV on.
TV Guide is displayed.

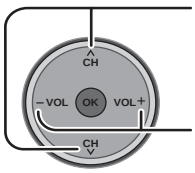
Please refer to page 43 for the TV Guide description and operating instruction.



3 EXIT

Press to exit from the TV Guide on screen display.

4



Press channel up/down buttons to tune to the desired channel.

- You can also use the direct program number selection buttons and PROG–button (see page 17).

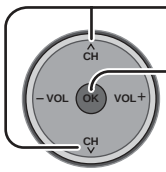
Select the desired volume level.

NOTE: The factory default setting is to display the TV Guide channel list whenever the TV is initially powered On.
To disable this default mode and view a TV channel on every power on, perform the following operations.

1 Press 'TV Guide' remote button & select "SETUP" in the Service Bar of the TV Guide.



2

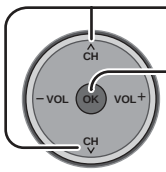


Press to select "Change default options".

Press to display "Change default options".



3

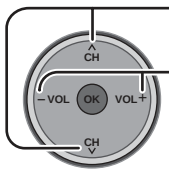


Press to select "General defaults".

Press to display "General defaults" in Panel Menu.

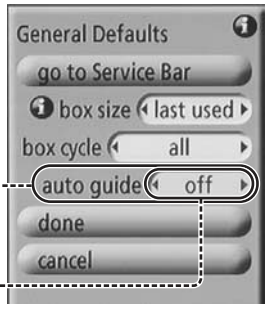


4

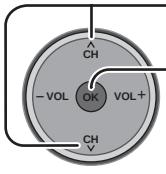


Press to select "auto guide".

Press to select "off".



5

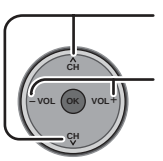


Press to select "done".

Press to store the "setup".
TV Guide channel listing will no longer appear.

On-Screen Menu Displays for Navigation

Picture adjust (See page 24)

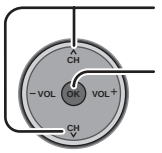


Press to select picture menu.
Press to select or adjust picture items.

Picture 1/2	
Normal	No
Pic. mode	Standard
Picture	+30
Brightness	0
Color	0
Tint	0
Sharpness	+10

Picture 2/2	
Color Temp	Cool
Color Mng.	Off
C.A.T.S.	Off
Zoom Adjust	
PC Adjust	
Other Adjust	

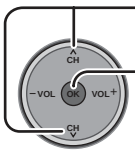
During “RGB / PC” input signal.



Press to select “PC Adjust”.
Press to display PC Adjust menu.

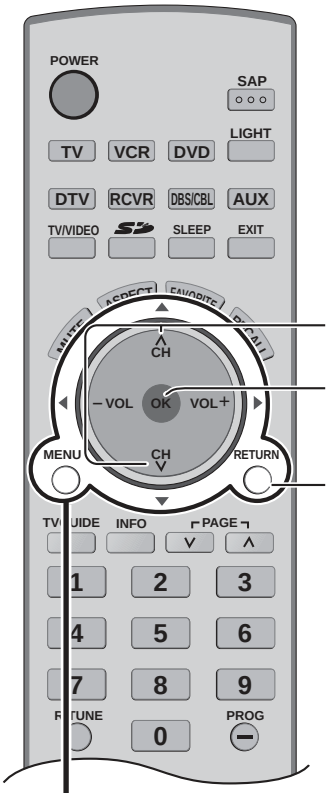
PC Adjust 1/2	
Normal	No
Sync	On G
Dot Clock	0
H-Position	0
V-Position	0

PC Adjust 2/2	
Clock Phase	0
Input Resolution	VGA



Press to select “Other Adjust”.
Press to display Other Adjust menu.

Other Adjust	
Video NR	Off
3D Y/C Filter	Off
Color Matrix	SD
MPEG NR	Off
Black level	Dark



Press to select.

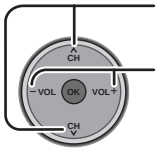
Press to enter each adjust screen.

Press to return to previous menu.

MENU

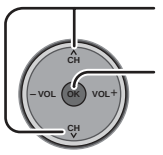
Press ◯ button to display main menu.

Audio adjust (See page 27)



Press to select Audio menu.
Press to adjust Audio items.

Audio	
Normal	Set
Bass	+ 7
Treble	+ 7
Balance	0
Other Adjust	

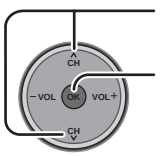


Press to select “Other Adjust”.
Press to display Other Adjust menu.

Other Adjust	
AI Sound	On
BBE VIVA 3D	On
BBE	On
Surround	Off
Speakers	On
HDMI In	Auto
Audio Leveler	0

- Picture
- Audio
- Timer
- Lock
- Memory card
- TV Guide
- Setup

Timer adjust (See page 28)

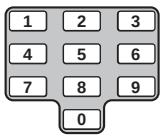


Press to select either “Sleep” or “Timer 1” - “Timer 5”.
Press to display desired Timer Adjust menu.

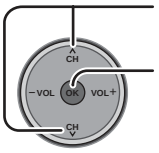
Timer
Sleep
Timer 1
Timer 2
Timer 3
Timer 4
Timer 5

Sleep	
Sleep	60

Timer 1	
CH	310 - 1
Day	EVR FRI
On time	10:00 AM
Off time	11:00 AM
Set	On



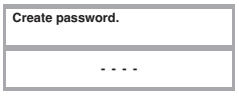
Lock settings
(See page 35)

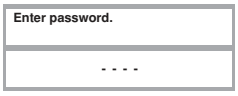


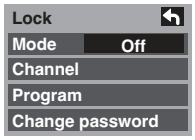
Press to select.

Press to go to each setting screen.

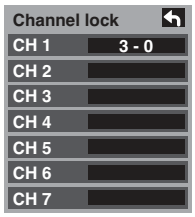
Enter a 4-digit password.

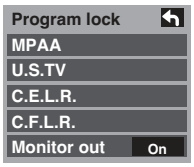






Channel lock





Change password

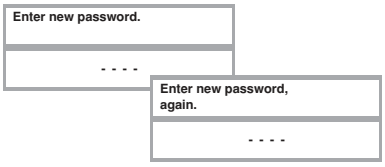
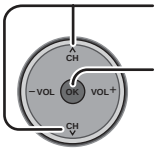
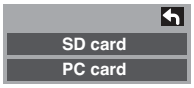
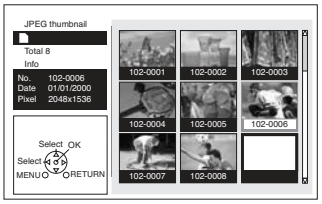


Photo Viewer for Memory CARD (See page 39)



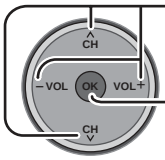
Press to select “SD card” or “PC card”.
Press to enter the Photo Viewer.





TV Guide
(See page 43)



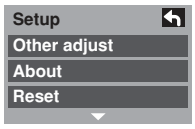


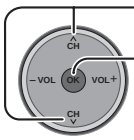
Press to move the highlighting.

Press to choose the option and continue to the next mode.

Setup (See page 29)







Press to select .

Press to go to each adjust screen.

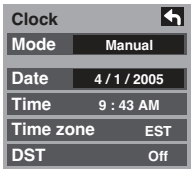
RETURN

Press to return to previous screen.

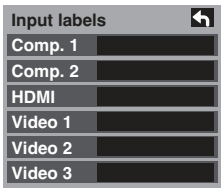
Language
(See page 18)



Clock adjust
(See pages 18, 19)

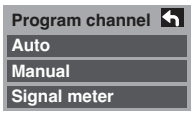


Input Labels
(See page 32)

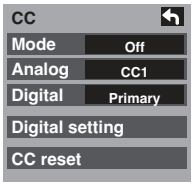




Program channel
(See page 30)



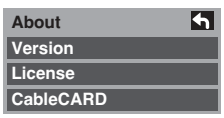
CC (Closed Caption)
(See page 32)



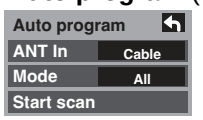
Other Adjust (Setup)
(See page 34)



About
(See page 34)



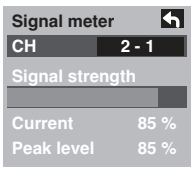
Auto program (See page 30)



Manual program (See page 30)



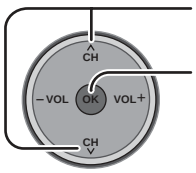
Signal meter (See page 31)



Menu Navigation

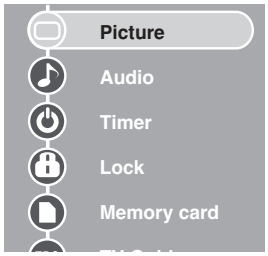
Picture

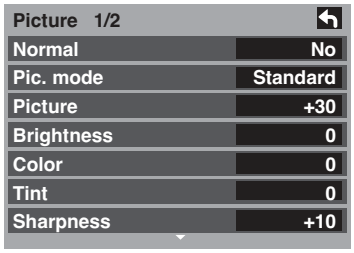
Press the MENU button to display the Main menu.

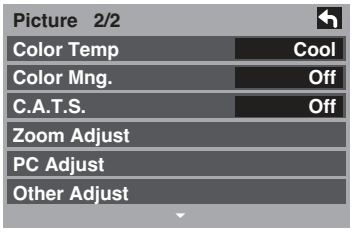


Press to select “Picture”.

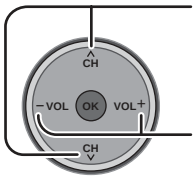
Press to enter sub-menu.





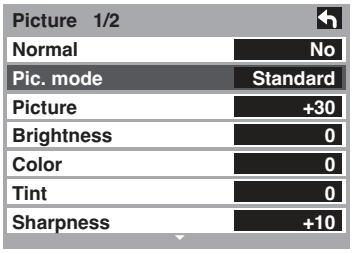


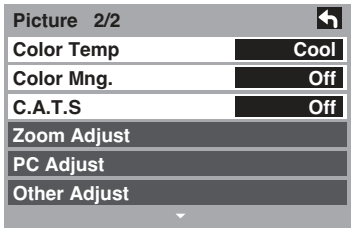
Normal / Picture / Brightness / Color / Tint / Sharpness / Color Temp / Color Mng. / C.A.T.S



Press to select the sub-menu.

Press to adjust the sub-menu.

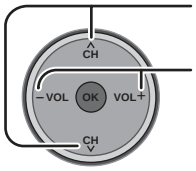




Item	Explanations
Normal	Resets all picture adjustments to factory default settings.
Picture	Adjusts white areas of picture.
Brightness	Adjusts dark areas of picture.
Color	Adjusts desired color intensity.
Tint	Adjusts natural fresh tones.
Sharpness	Adjusts clarity of outline detail.
Color Temp (Temperature)	To increase or decrease Warm (red) and Cool (blue) colors to suit personal preferences.
Color Mng. (Color Management)	Color Mng. On enhances green and blue color reproduction, especially outdoor scenes.
C.A.T.S.	Plasma C.A.T.S. (Contrast Automatic Tracking System) automatically senses the ambient light conditions and adjusts the brightness and gradation accordingly, to optimize contrast.

Pic. mode

Choose the pre-set picture mode that best suits the program you are viewing. This feature also affects Color Temp setting.



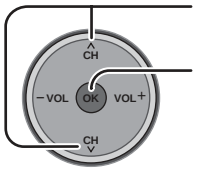
Press to select “Pic. mode”.

Press to select the picture mode.
- Vivid (default) : Provides enhanced picture contrast and sharpness for viewing in a well-lit room.
- Standard : Recommended for normal viewing conditions with subdued room lighting.
- Cinema : For watching movies in a darkened room. It provides a soft, film-like picture.

Note: Each mode has its own picture settings (Picture, Brightness, Color, Tint and Sharpness).

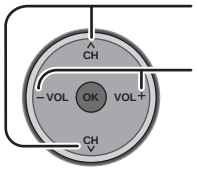
Zoom Adjust

Adjust the Zoom position.
It works when Aspect mode is Zoom.



Press to select Zoom Adjust menu.

Press to display the Zoom Adjust screen.

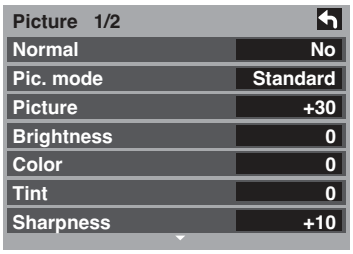


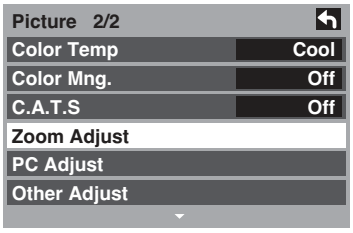
Press to adjust V-Position.

Press to adjust Size.

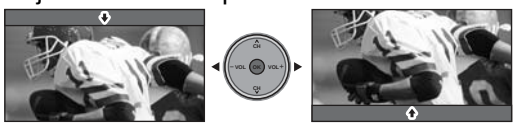
- V-Position : Adjust the vertical position.
- Size : Adjust the vertical size.

Note:
To return to the default setting, press the “OK” button.

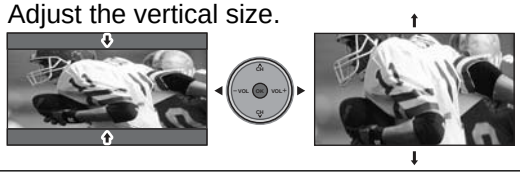




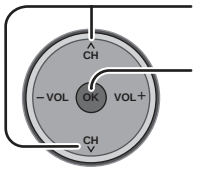
V-Position Adjust the vertical position.



Size Adjust the vertical size.

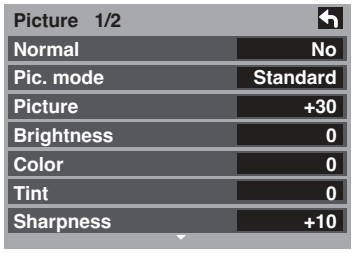


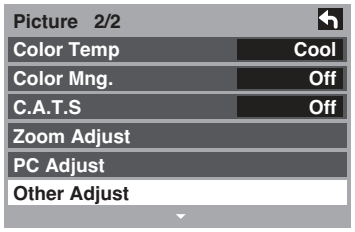
Other Adjust

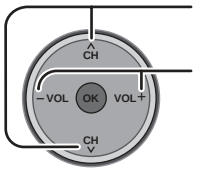


Press to select “Other Adjust”.

Press to display other Adjust menu.

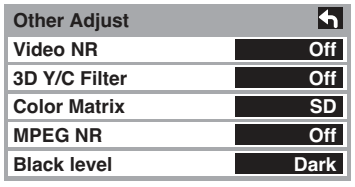






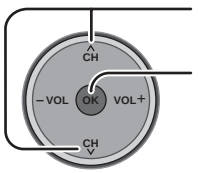
Press to select the sub-menu.

Press to select or adjust the sub-menu.



Item	Explanations
Video NR	Reduces noise, commonly called snow. Leave off when receiving a strong signal.
3D Y/C Filter	Minimizes noise and cross-color in the picture.
Color Matrix	Select SD or HD. • SD : When the input signal is a normal TV system (NTSC). • HD : When the input signal is a High-Definition system (ATSC). Displays 480p input signals in natural color from digital equipment adapters connected to COMPONENT VIDEO INPUT (Y, P_B, P_R) terminals. Select HD or SD to adjust color parameters automatically for HD (high definition) or SD (standard definition). **Note:** This feature is available only with 480p signal and not available with regular TV (NTSC) program.
MPEG NR	Digital noise unique to DVD, STB, etc. will be reduced.
Black level	Select Dark or Light. Valid only for external input signals.

PC Adjust



Press to select “PC Adjust”.

Press to display the PC Adjust screen.

Picture 1/2	
Normal	No
Pic. mode	Standard
Picture	+30
Brightness	0
Color	0
Tint	0
Sharpness	+10

Picture 2/2	
Color Temp	Cool
Color Mng.	Off
C.A.T.S	Off
Zoom Adjust	
PC Adjust	
Other Adjust	

During “RGB / PC” input signal.

PC Adjust 1/2	
Normal	No
Sync	On G
Dot Clock	0
H-Position	0
V-Position	0

■ Sync

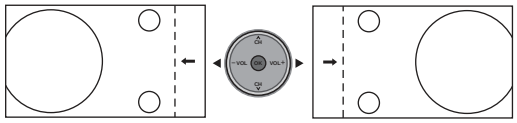
- H & V : The H and V sync signals are input from the HD/VD connector.
- On G : Uses a synchronized signal on the Video G signal, which is input from the G connector.

■ Dot Clock

Alleviates the problem if a picture appears to be vertically-striped, flickers partially or is blurred.

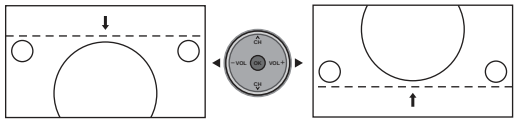
■ H-Position

Adjust the horizontal position.



■ V-Position

Adjust the vertical position.



PC Adjust 2/2	
Clock Phase	0
Input Resolution	VGA

■ Clock Phase

Alleviates the problem if the whole picture appears to flicker or is blurred.
First adjust the Dot Clock to get as good a picture as possible, then adjust the Clock Phase so that a clear picture appears.
Note : It may not be possible to display a clear picture due to poor input signals.

■ Input Resolution

Switches to wide display.
Input signal switched from VGA to WVGA
Input signal switched from XGA to WXGA

H-Frequency	48.6 kHz
V-Frequency	60.3 Hz

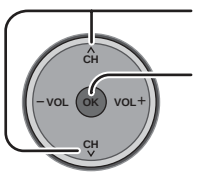
■ H-Frequency/V-Frequency

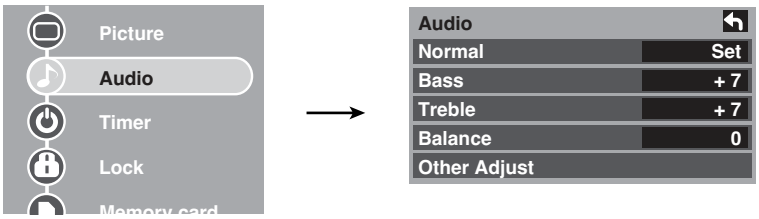
(Displays the frequencies of the PC signal currently being adjusted.)

Displays the H (Horizontal)/V (Vertical) frequencies.
Display range: Horizontal 15 - 110 kHz
Vertical 48 - 120 Hz

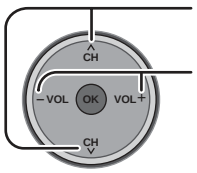
Audio

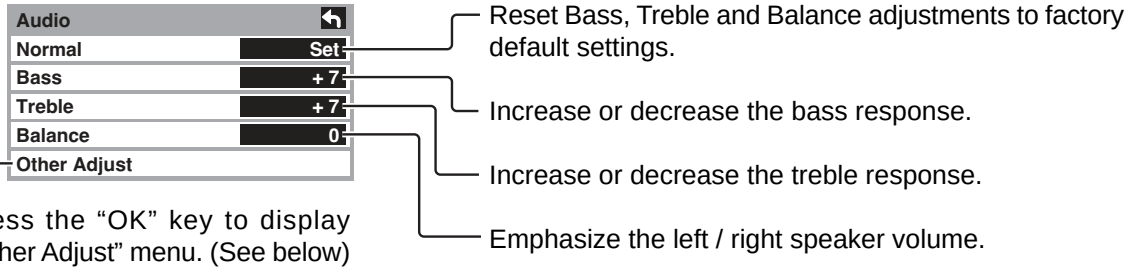
Press the MENU button to display the Main menu.



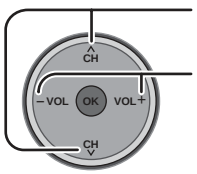


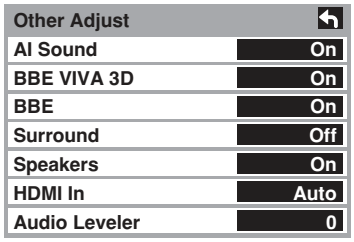
Normal / Bass / Treble / Balance





Other Adjust





■ AI Sound

Equalize overall volume levels across all channels and VIDEO inputs.

Note: Fixed to “Off” when “Speakers” is set to “Off”.

■ BBE VIVA 3D

BBE VIVA 3D provides a musically accurate natural 3D image with hi-fi sound. The clarity of the sound is improved by BBE while the width, depth and height of the sound image are expanded by BBE’s proprietary 3D sound processing. BBE VIVA 3D is compatible with all TV programs including news, music, dramas, movies and sports as well as electronic games. BBE VIVA 3D enhances the surround sound effect, while maintaining the clarity of dialogue.

■ BBE

Sound technology enhances speech intelligibility and restores the dynamic range of musical passages to provide outstanding natural sound.

■ Surround

Enhances audio response when listening to stereo.

- On : For stereo audio.
- Off : For monaural audio.

Note: Fixed to “Off” when “Speakers” is set to “Off”.

■ Speakers

This feature is used to turn TV speakers “On” or “Off” (see page 11, Amplifier Connection).

- On : TV speakers operate normally.
- Off : TV speakers off.

Note: “AI Sound”, “Surround” and “Audio Leveler” are not available when selecting “Off”.

■ HDMI In

When using HDMI (see page 13), this feature will let you switch between Analog or Digital Input.

- Auto : Automatically selects Analog / Digital signal.
- Digital : Digital Input only.
- Analog : Analog Input only.

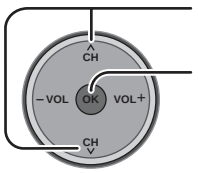
■ Audio Leveler

The audio leveler monitors the difference in audio levels between input signals from external equipment and minimizes the change in output volume that could occur when switching input signals.

Note: “Audio Leveler” is not available when “Speakers” is set to “Off”.

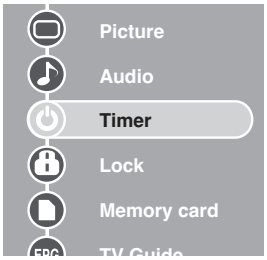
Timer

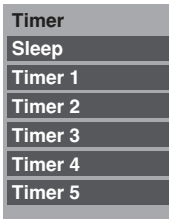
Select Timer to turn the TV on and off at selected times and on selected days.
Press the MENU button to display the Main menu.



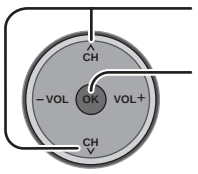
Press to select “Timer”.

Press to enter the sub-menu.





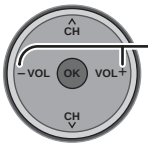
Sleep timer



Press to select “Sleep”.

Press to enter the Sleep set screen.





Press to select off time (minutes).



0 → 30 → 60 → 90

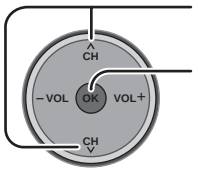
Timer set

The Clock must be set before On time/Off time settings can be made. (See pages 18-19, 29)

■ Channel

Before selecting Channel in Timer 1~Timer 5 make sure that the channel you’re selecting is programmed into memory. (Refer to Auto program in page 19)

1

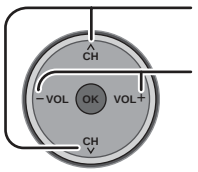


Press to select “Timer 1” - “Timer 5”.

Press to enter the timer adjust screen.

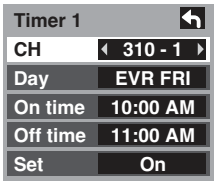


2

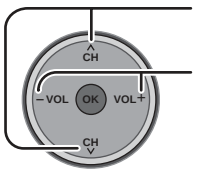


Press to select “CH”.

Press to set “CH”.

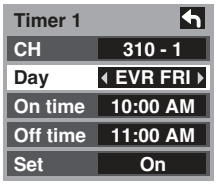


■ Day



Press to select “Day”.

Press to select appropriate day setting.

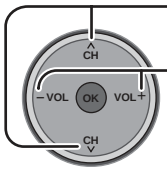


Selectable day items

SUN, MON, TUE, WED, THU, FRI, SAT, MON-FRI, SAT-SUN, DAILY, EVR SUN, EVR MON, EVR TUE, EVR WED, EVR THU, EVR FRI, EVR SAT

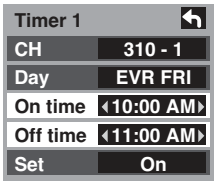
■ On time / Off time

Perform the following operations for both “On time” and “Off time”.

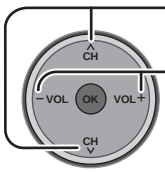


Press to select “On time” / “Off time”.

Press to select hour (AM or PM) and the minutes of “On time” / “Off time”.

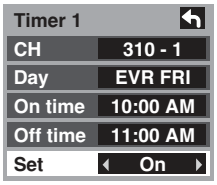


■ Set



Press to select “Set”.

Press to select “On” or “Off”.



Notes:

- The TV automatically turns Off after 90 minutes when turned On by the Timer. This operation will be cancelled if the Off time is selected or if a key is pressed.
- When the power to the TV set is disrupted due to a power outage or similar problem, the off-timer will be deactivated and the TV will be in standby mode even after power is restored.

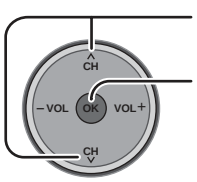
To return to the previous screen

RETURN

Press to return.

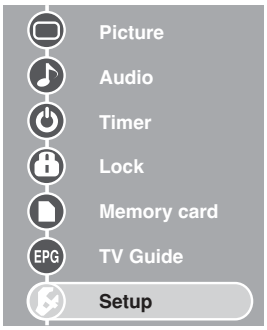
Set up

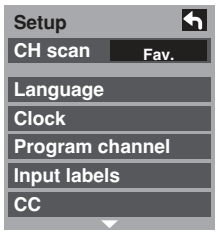
Press the MENU button to display the Main menu.

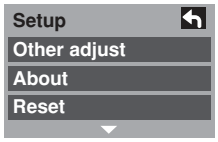


Press to select “Setup”.

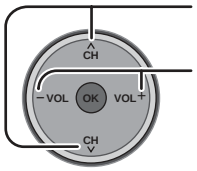
Press to enter the sub-menu.





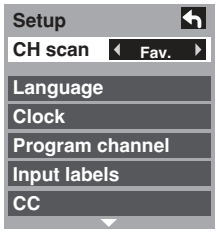


CH scan

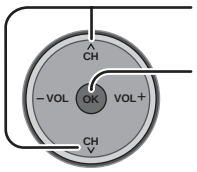


Press to select “CH scan”.

Press to select “Fav.” or “All”.

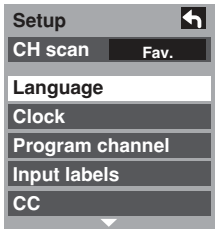


Language



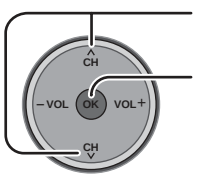
Press to select “Language”.

Press to display the Language screen.



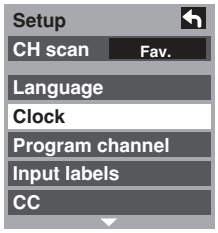
Please read about Language in First time setup on page 18.

Clock



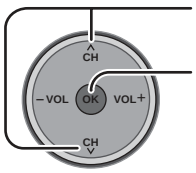
Press to select “Clock”.

Press to display the Clock screen.

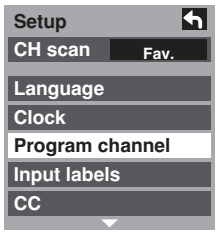


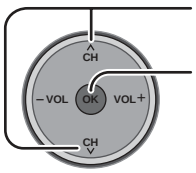
Please read about Clock in First time setup on pages 18-19.

Program CH

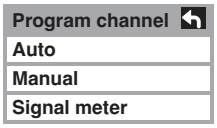
1 

Press to select “Program channel”.
Press to enter Program channel menu.



2 

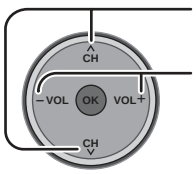
Press to select sub-menus.
Press to enter sub-menu.



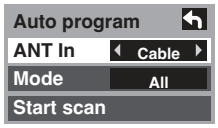
“Auto” and “Signal meter” cannot be selected while the CableCARD™ is inserted.

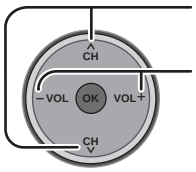
■ Auto program

Automatically scans all available channels.
“Auto program” is not available while the CableCARD™ is inserted.

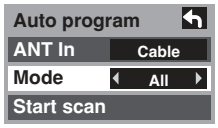
1 

Press to select “ANT In”.
Press to select “Cable” or “Antenna”.

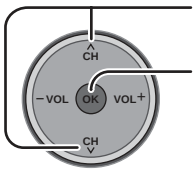


2 

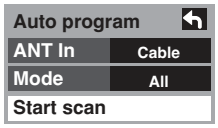
Press to select “Mode”.
Press to select “All” or “Analog”.

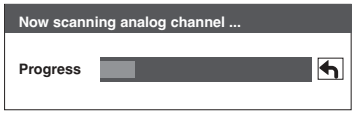


All : Analog and Digital
Analog : Analog only

3 

Press to select “Start scan”.
Press to start.



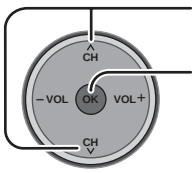


- After Auto program is complete, the unit will return to Manual Program mode.

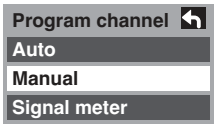
To make available a channel that has been located by auto scan, in the Manual program mode, move the cursor to “Apply” and press (OK) key.

■ Manual program

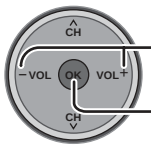
To add or delete channels from channels list manually.



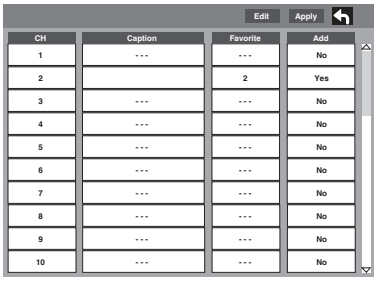
Press to select “Manual”.
Press to enter the Manual Program screen.

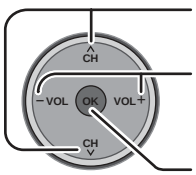


Program edit

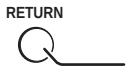
1 

Press to select “Edit”.
Press to enter the edit mode.

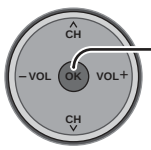


2 

Press to select the desired preset channel line.
Press to select edit area.
“Caption”, “Favorite”, “Add”.
Press to enter the preset screen.
Refer to next page for each adjustment.



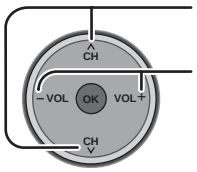
Press to move cursor to “Apply”.



Press to enter your program.

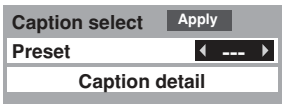
● **Edit (Caption)**

1

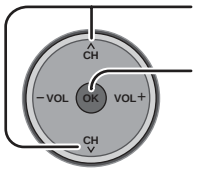


Press to select “Preset”.

Press to select Broadcast station.



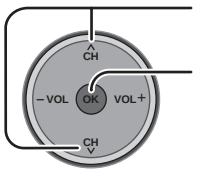
2



Press to select “Caption detail”.

Press to display the Caption detail screen.

3

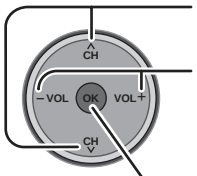


Press to move cursor to “Caption”.

Press to enter input field.



4

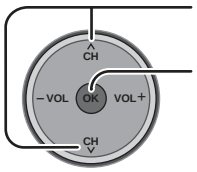


Press to select the character to input/change.

Press to move to next character.

You may enter up to 7 characters.

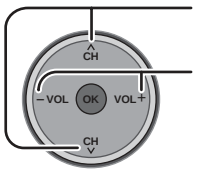
Press to enter your selection.



Press to move cursor to “Apply”.

Press to enter “Caption” and return to Edit screen.

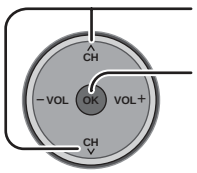
● **Edit (Favorite)**



Press to select “Favorite”.

Press to select Favorite number.



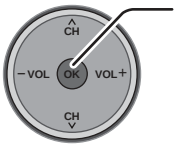


Press to move the cursor to “Apply”.

Press to enter “Favorite” and return to Edit screen.

● **Edit (Add)**

Setting to register/delete in Program channel.



Press to select Yes or No.

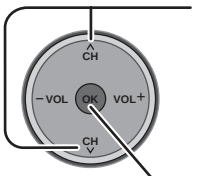
■ **Signal meter**

(For digital channels only)

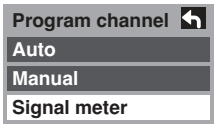
Displays the signal strength of the ATSC digital channel in Antenna.

“Signal meter” is not available while the CableCARD™ is inserted.

1

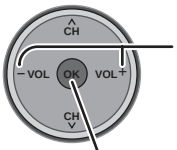


Press to select “Signal meter”.

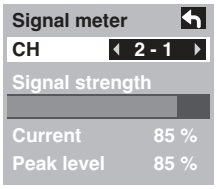


Press to display “Signal meter”.

2



Press to select desired channel.



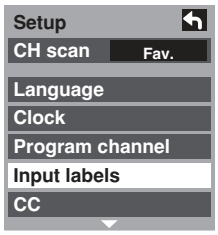
Press to turn desired channel.

Note:

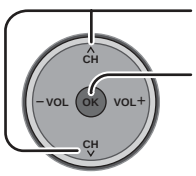
The signal meter works only for digital signals input via the antenna.

Input labels

To label video input connections for on-screen display.



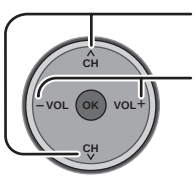
1



Press to select “Input labels”.

Press to enter the sub-menu field.

2

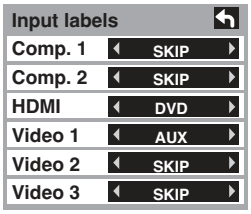


Press to select the Video input.

Press to select the input label.

- To skip the input, select “**SKIP**”. The input will be skipped when you press **[TV/VIDEO]**.

Selectable input labels :
SKIP, VCR, DVD, CABLE, DBS, PVR, GAME, AUX

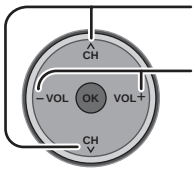




CC (Closed Caption)

The television includes a built-in decoder that is capable or providing a visual display of the audio portion. The program viewed must provide Closed Captioning (CC) for the television to display it.

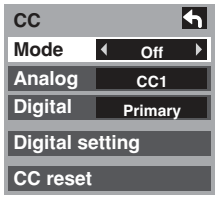
■ CC Mode



Press to select “Mode”.

Press to select the setting.

- Off : Recommended mode when Closed Caption is not being used.
- On : To display Closed Captions.

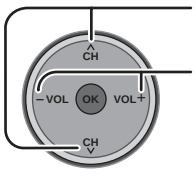


Notes:

- The closed caption is not displayed when you use HDMI connection and PC inputs.
- If analog connected equipment is used for displaying or recording, closed caption (CC) should be set On/Off on the connected equipment.
 The CC mode setting of the TV will not affect the analog input.
 If a digital program is being output in analog format, the CC data will also be output in analog format.
 If digital connected equipment is used for input, CC should be set On on either the connected equipment or the TV.
 If CC is set On on both the connected equipment and the TV, captions from each unit will overlap.

■ Analog

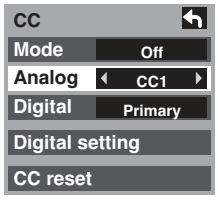
Choose the closed caption service of Analog broadcasting.



Press to select “Analog”.

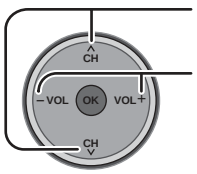
Press to select the setting.

- CC1 : For video related information that can be displayed (up to 4 lines of script on the screen, where it does not disturb the relevant parts of the picture). Script can be in any language.
- CC2/CC3/CC4 : Other modes used for video related information.
- T1 : Blanks out a large portion of the picture on the television screen, and displays program guide or any other information currently being transmitted.
- T2/T3/T4 : Other modes that display information and blank out a large portion of the picture of the TV screen.



■ Digital

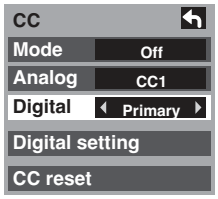
The Digital Closed Caption menu lets you configure the way you choose to view the digital captioning.



Press to select “Digital”.

Press to select the setting.

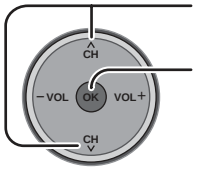
• “Primary”, “Second.”, “Service 3”, “Service 4”, “Service 5”, “Service 6”



■ Digital setting

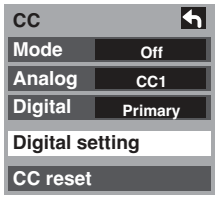
Selecting digital broadcast service and viewing formats.

1

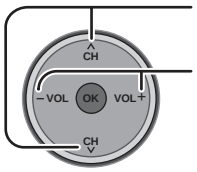


Press to select “Digital setting”.

Press to enter the Digital setting menu.



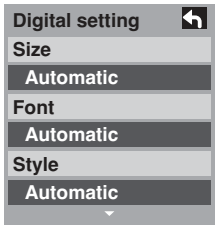
2



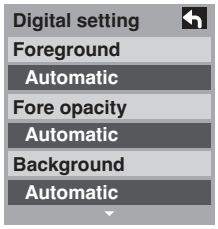
Press to select the sub-menu.

Press to select the setting.

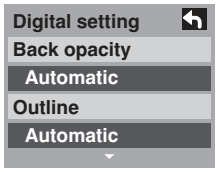
• Size : “Automatic”, “Normal”, “Small”, “Large”
• Font : “Automatic”, “Default”, “Mono-serif”, “Prop-serif”, “Mono”, “Prop”, “Casual”, “Cursive”, “Small caps”
• Style : “Automatic”, “None”, “Raised”, “Depressed”, “Uniform”, “Drop shadow”



• Foreground : The color of the font (“Automatic”, “Black”, “White”, “Red”, “Green”, “Blue”, “Yellow”, “Magenta”, “Cyan”)
• Fore opacity : The opacity of the font (“Automatic”, “Transparent”, “Translucent”, “Solid”, “Flashing”)
• Background : The color of the text box (“Automatic”, “Black”, “White”, “Red”, “Green”, “Blue”, “Yellow”, “Magenta”, “Cyan”)



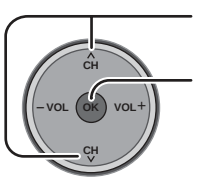
• Back opacity : The opacity of the text box (“Automatic”, “Transparent”, “Translucent”, “Solid”, “Flashing”)
• Outline : The outline of the text (if selected under style)(“Automatic”, “Black”, “White”, “Red”, “Green”, “Blue”, “Yellow”, “Magenta”, “Cyan”)



■ CC Reset

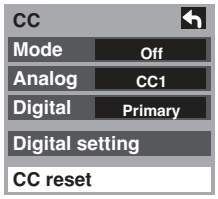
Reset the CC settings.

3

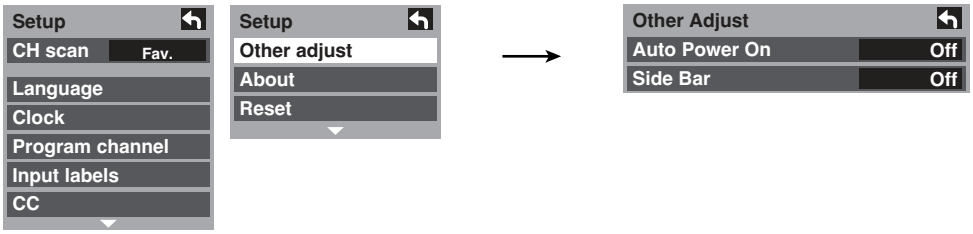


Press to select “CC reset”.

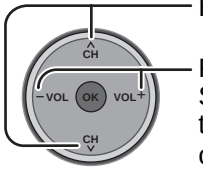
Press to reset Closed Caption settings.



Other adjust (Setup)



■ Auto Power On



Press to select “Auto Power On”.

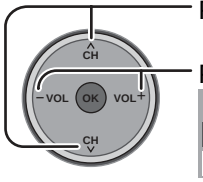
Press to select “Set” or “Off”.
Select “Set” to power the TV on at the same time as the cable box or other connected components are powered on.



Note:
The Sleep Timer and On / Off timer will not function if “Auto Power On” is set.

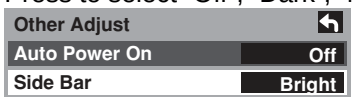
■ Side Bar Adjustment

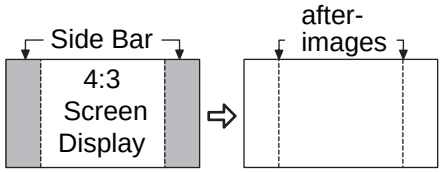
Do not display a picture in 4:3 mode for an extended period, as this can cause an after-image to remain on either or both sides of the display field.
To reduce the risk of such an after-image, change the brightness of the side bars.



Press to select “Side bar”.

Press to select “Off”, “Dark”, “Mid”, “Bright”.

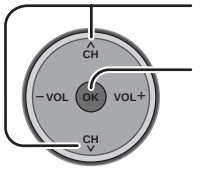




Notes:
- To reduce the occurrence of after-images, set the “Side Bar” to “Bright”.
- The side bar may flash (alternate black/white) depending on the picture. Using Cinema mode will reduce such flashing (see page 24).

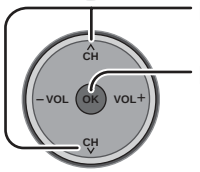
About

Display the TV set version, Software License and CableCARD™ information.



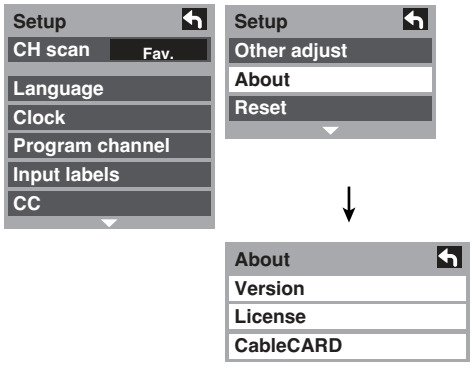
Press to select “About”.

Press to display the About screen.



Press to select “Version”, “License” or “CableCARD”.

Press to display “Version”, “License” or “CableCARD”.



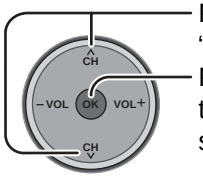
■ CableCARD

This menu is used to provide information when a CableCARD™ is inserted into the CableCARD™ slot on the back of the television. “CableCARD” is not accessible without inserting a CableCARD™ into the CableCARD™ slot. To receive the features offered by your cable company, you may have to subscribe to those services.

Note: Please contact your cable company regarding availability of the CableCARD™. The CableCARD™ is needed to receive premium digital services (where available) through the Cable input. You may also be able to order call-ahead pay per view events.

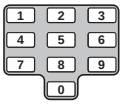
Reset

Setup is reset.

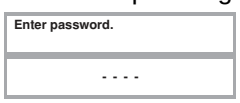


Press to select “Reset”.

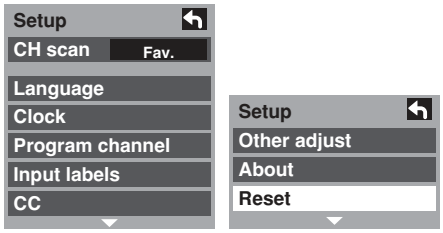
Press to display the password screen.



Enter your password by pressing [0] ~ [9] keys to reset the Setup settings.



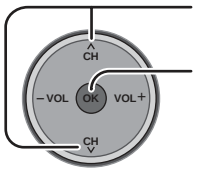
The confirmation screen is displayed.
Select “Yes”, and press (OK) key.



Note: Performing Reset will clear all items set with Setup, such as channel settings. Use Reset with care.

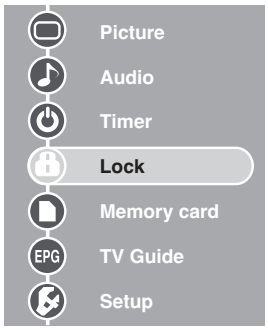
Lock

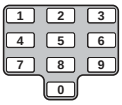
Press the MENU button to display the Main menu.



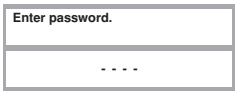
Press to select “Lock”.

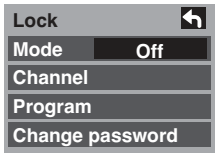
Press to display the Input password screen.



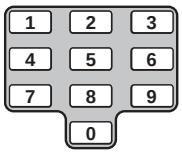


Enter your password by pressing 0 ~ 9 keys.



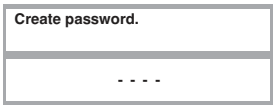


Create a 4-digit password to enter the Lock menu.



Enter a 4-digit password.

After entering your password for the first time, “Create password.” will change to “ Enter password.”.

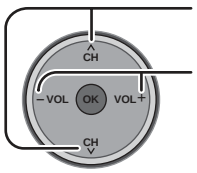


Notes:

- Use a code that is easy to remember and record it in a safe place.
- If you forget your secret code, the TV must be serviced by a qualified technician to clear the Lock setup.

Lock mode

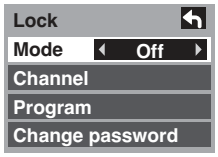
Select Lock mode to prevent viewing of video games, VCR tapes, channels and Video modes.



Press to select “Mode”.

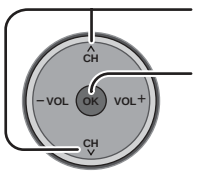
Press to select the setting.

- Off : Turns off Lock set functions.
- All : All channels and Video inputs are locked regardless of the rating level.
- Game : Locks out CH 3, 4 and Video inputs.
- CH : Locks out specific analog and digital channels. Password is required to view any of the locked channels.



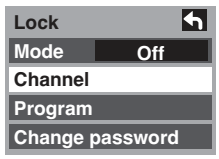
Channel (Block channel selection)

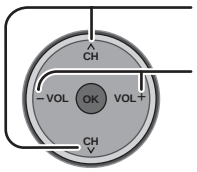
Select up to 7 (1-7) channels to be blocked out. These channels will be blocked out regardless of the program rating.



Press to select “Channel”.

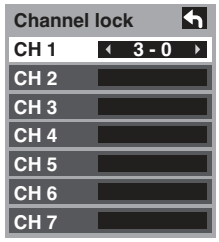
Press to display the channel block screen.





Press to select “CH 1” - “CH 7”.

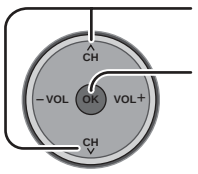
Press to select the desired Block channel.



Block program

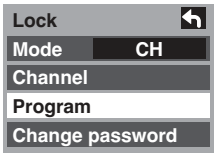
This television incorporates V-Chip technology to block the viewing of movies and television programs according to the rating category. There are four (4) Content Advisory Categories: MPAA (Motion Picture Association of America), U.S.TV Program, Canadian English ratings and Canadian French ratings. These categories are used as guidelines for blocking programs.

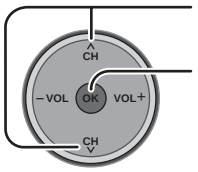
- The default mode for the Lock category is the Unlocked state.



Press to select “Program”.

Press to enter Program menu.

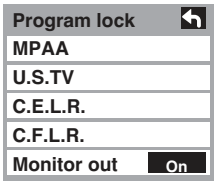


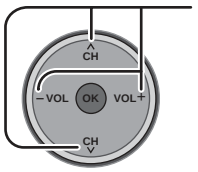


Press to select “MPAA”, “U.S.TV”, “C.E.L.R.” or “C.F.L.R.”.

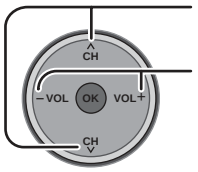
Press to enter Block program adjust screen.

MPAA : for U.S movie ratings
U.S.TV : for U.S TV program ratings
C.E.L.R. : for Canadian English ratings
C.F.L.R. : for Canadian French ratings





Press to highlight the desired rating level.



Press to select “Monitor out”.

Press to select “On” or “Off”.

Monitor out : On Turns on the monitor terminal output for programs that have been set to “Blocked.”
Off Turns off the monitor terminal output for programs that have been set to “Blocked.”

Notes:

- The Off rating is independent of other ratings.
- When placing a block on a specific age based rating level, the Off rating and any other more restrictive ratings will also be blocked.

U.S. MOVIES RATINGS CHART

NR	NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS. Movie has not been rated or rating does not apply.
G	GENERAL AUDIENCES. All ages admitted.
PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
PG-13	PARENTS STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
NC-17	NO ONE 17 AND UNDER ADMITTED.
X	ADULTS ONLY.

U.S. TV PROGRAMS RATINGS CHART

The TV Parental Guidelines has 7 levels of age-based ratings that can be selected. These 7 levels are split into 2 age-based groups:
Youth Age-based Ratings and Guidance Age-based Ratings. Some of these age-based ratings can also have content-based ratings, denoted as D (Dialog), L (Language), S (Sex) and V (Violence).The table below shows the age-based ratings selection.

Age-based Group	Age-based Ratings	Possible Content Selections	Description
NR (Not Rated)	**TV-NR**	• Viewable • Blocked	Not Rated. See CUSTOMER CAUTION on page 38.
Youth	**TV-Y**	• Viewable • Blocked	All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6.
	TV-Y7	• FV Blocked • Viewable • Blocked	Directed to older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7.
Guidance	**TV-G**	• Viewable • Blocked	General audience. It contains little or no violence, no strong language, and little or no sexual dialogue or situations.
	TV-PG	• D,L,S,V (all selected) • Any combination of D, L, S, V	Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.
	TV-14	• D,L,S,V (all selected) • Any combination of D, L, S, V	Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.
	TV-MA	• L,S,V (all selected) • Any combination of L, S, V	Mature audiences only. This program may contain mature themes, profane language, graphic violence, and explicit sexual content.

FV : Fantasy/Cartoon Violence.
V : Violence
S : Sex
L : Offensive Language
D : Dialogue with sexual content.

CANADIAN ENGLISH RATINGS CHART

E	Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.
C	Programming intended for children under age 8. No offensive language, nudity or sexual content.
C8+	Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.
G	General programming, suitable for all audiences.
PG	Parental Guidance suggested. Some material may not be suitable for children.
14+	Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.
18+	18+ years old. Programming restricted to adults. Contains constant violence or scenes of extreme violence.

CANADIAN FRENCH RATINGS CHART

E	Exempt - Exempt programming.
G	General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.
8 ans+	8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.
13 ans+	Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.
16 ans+	Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.
18 ans+	Programming restricted to adults. Contains constant violence or scenes of extreme violence.

Customer Caution

The V-Chip system that is used in this set is capable of blocking “NR” programs (non rated, not applicable and none) as per FCC Rules Section15.120(e)(2). If the option of blocking “NR” programs is chosen “unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:”

- Emergency Bulletins (Such as EAS messages, weather warnings and others)
- Locally originated programming • News • Political • Public Service Announcements • Religious • Sports
- Weather

Blocking Messages

Various Blocking messages are displayed on-screen depending upon the type of blocking you have selected in the Lock menu.

Note:
Entering the password will override the block condition. However, the ratings selection will be retained.

Message	Possible cause
Game locked.	The [TV/VIDEO] button was pressed when the Game lock had been selected. Tuned to CH 3 or CH 4 when the Game lock had been selected.
Channel locked.	Tuned to the designated channel when the Channel lock had been selected.
All locked.	Lock all is selected.
Program locked.	Received program that exceeds the Block Program rating level.

Change password

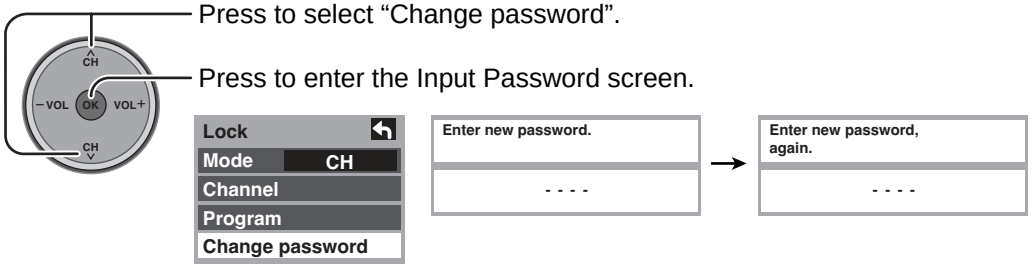
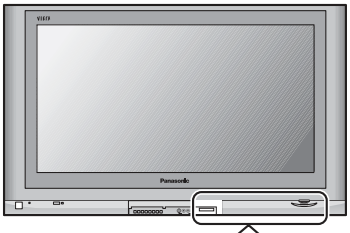


Photo Viewer

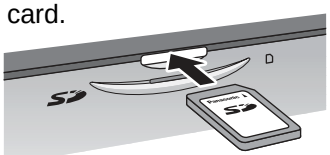
Still image data (JPEG) made with a digital camera or digital video camera can be played back using an SD Card / PC Card.
Displayable Image Formats: Baseline JPEG 160 × 120 – 2,560 × 1,920 pixels (sub-sampling 4:4:4, 4:2:2 or 4:2:0)

Inserting and removing a card



■ SD card slot

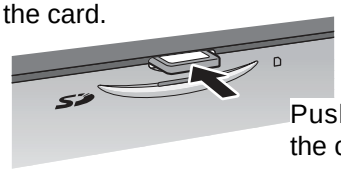
Insert the card.



Label-side upward

Insert it to be clicked in.

Remove the card.

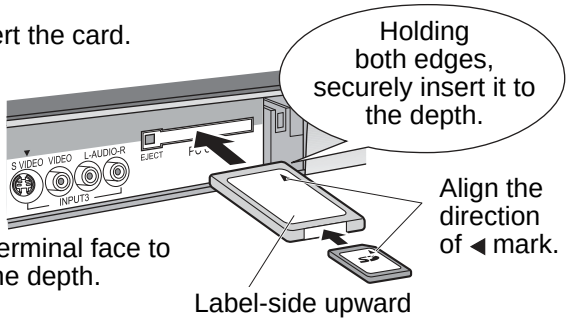


Push the center of the card.

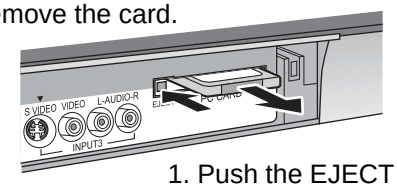
■ PC card slot

Turn the TV off before inserting or removing a PC card.

Insert the card.



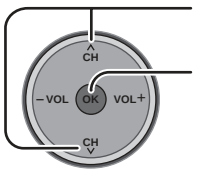
Remove the card.

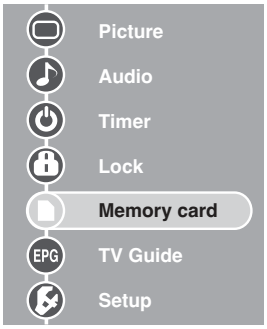


1. Push the EJECT button pops out.
2. Push it again.

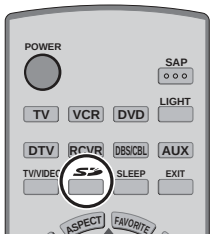
If the eject button does not pop out
Push in PC card again, and then push the eject button again.
Note:
If PC card adapter is used, remove it together with the adapter.

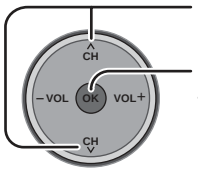
Press MENU to display the Main Menu screen.

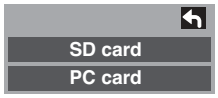


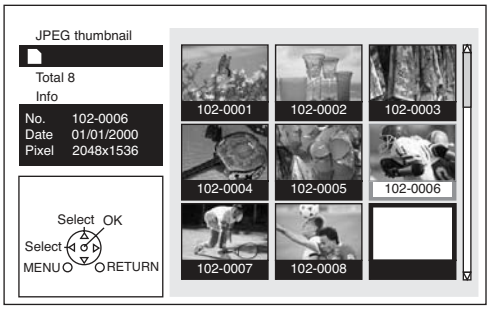


The SD button may also be pressed for Photo Viewer mode.









⚠ WARNING

As with any small object, SD cards can be swallowed by young children. Do not allow children to handle the SD card.

⚠ CAUTION

1. Always insert card in the correct direction. Failure to do so may result in damage to the card and this unit.
2. The SD Card is precision devices. Do not subject them to excessive pressure or strong impacts.

Note: Suitable SD Memory Cards. Please confirm the latest information on the following website.
http://panasonic.co.jp/pavc/global/cs (This site is in English only)

Compatible card type and card size

SD card slot
- SD Card (1GB)
- miniSD Card (128MB)

PC card slot
- SD Card (1GB)
- miniSD Card (128MB)
- Compact Flash (1GB)
- Smart Media (128MB)
- Memory Stick (128MB)
- xD Picture Card (128MB)
- Flash ATA (128 MB)
- Memory Stick Pro (1GB)

The cards require standard PC card adapter.
(Some PC card adapter will not be compatible.)

miniSD Card requires miniSD adapter.

- This function is not compatible with card type hard disk (Micro Drive, Mobile type hard disk, etc).
- Memory cards are not supplied with this television.

■ Card Data Protection

- Do not remove the card while the unit is accessing the information. Such action may damage the memory card or the unit itself.
- Before inserting or removing the PC card, make sure that the TV is turned Off. Otherwise, it may damage the unit.
- Do not touch the terminals on the back of the SD card/PC card.
- Always insert a card in the correct direction. Failure to do so may result in damage to the card and this unit.
- Do not subject the card to excessive pressure or strong impacts.
- Electrical interference, electrostatic discharges and malfunctions of the unit or card may all result in data loss or damage to the card.
- Stored data should be periodically backed up as a protection against data corruption, data loss or device malfunction. Please note that our company shall not accept any liability for damage or loss of stored data.

■ Afterimage prevention function

If still image data is displayed for more than a few minutes, the afterimage prevention function will activate and the image disappears.

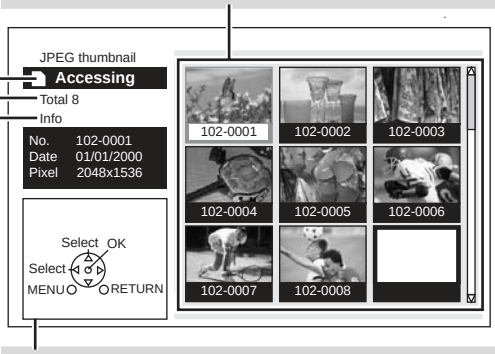
JPEG thumbnail

If “Is memory card in?” appears, check if a card is inserted. If not, turn the unit power off, correctly insert a card, then turn the unit back on. Now, place unit into JPEG Viewer mode.

Total number of JPEG images on the inserted card is displayed.

“Accessing” is displayed while data is read.

Index Area
JPEG images contained on the inserted card are displayed for viewing.



Navigation Area
Operational buttons are displayed as “GUI” (Graphical User Interface).

Selected picture information is displayed.
No. : Image number or file name is displayed.
Date : Date of recording is displayed.
Pixel : Display resolution is displayed.
Note:
Depending on the JPEG type, Info contents may not be displayed correctly.

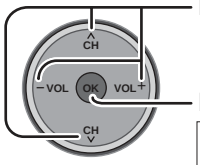
Notes:
- Only JPEG files can be displayed.
- Up to 9,999 JPEG files can be displayed.
- If images have duplicate numbers, none of the images will be displayed.
- Depending on the JPEG type, it may not be displayed normally.

Card Warning Messages

If there is a problem with the card or card data, the following messages will appear.

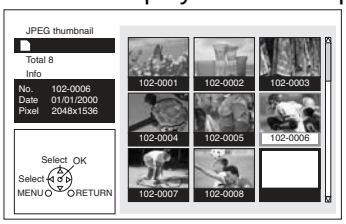
Message	description
Is memory card in?	A card may not be inserted, or the card format may not be supported. (Use SD cards formatted in a digital camera.)
No file.	The card may not contain image data, or all images on the card may be incompatible.

Index Area Operation



Press to select icon.

Press to display full size file preview.

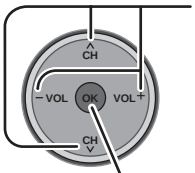


Notes:

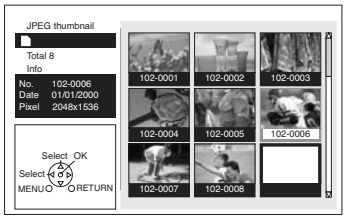
File names will not be displayed correctly if...

- More than 8 characters are used.
- Spaces and special symbols are used. Use care when changing file names.

Single Play Mode



Press to move cursor to desired file in INDEX AREA.



Press to display file in full screen size.



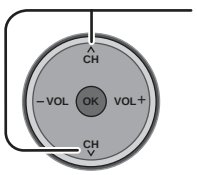
Navigation Display

Pressing RECALL while in Single Play Mode displays or removes the Navigation Area screen.



Navigation Area

Change image

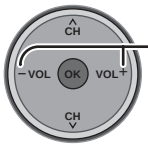


Press to changes the displayed image.

Press ▲ : The previous image is displayed.

Press ▼ : The next image is displayed.

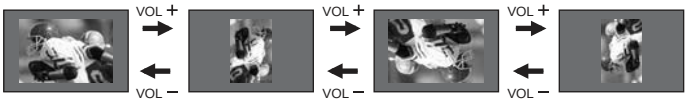
Rotate image



Press to rotates the image 90° at a time.

Press [VOL+] : Each press right rotates image 90°.

Press [VOL−] : Each press left rotates image 90°.



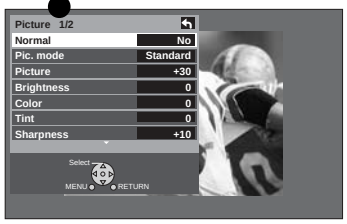
Note:

Rotation settings are not written to the file and are cancelled when Photo Viewer is exited.

Picture Adjustment

When MENU is pressed, the Picture Adjust menu (see page 24) is displayed.

Picture Adjustment



Pressing RETURN to exit Picture menu.

Exit Single Play mode

Pressing RETURN during Single Play mode allows you to exit the mode.

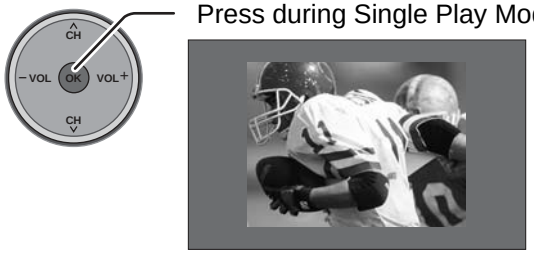


RETURN

Press RETURN with Single Play mode displayed to return to the JPEG thumbnail mode.

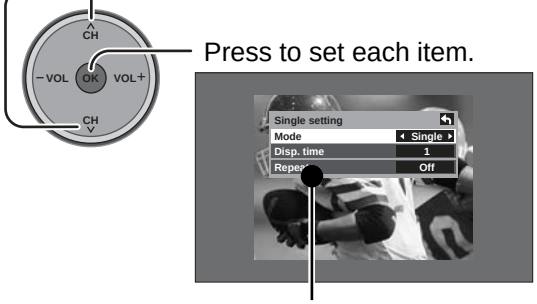
Slide Show Mode

1 Press during Single Play Mode.



2 Press to select each item.

Press to set each item.



Single setting menu

Mode	Set to Single/Slide to veiw single images or perform a slide show.
Disp. time	You can set how many seconds each image is displayed in Slide mode.
Repeat	Turn the slide show Repeat function On or Off.

3 Press to start slide show.

Example:
If Mode is set to Slide, Disp. time is set to 5 seconds, and Repeat is Off.



Displayed 5 seconds | Displayed 5 seconds | Stop

4 Press (OK) during a slide show to stop it. The Submenu is displayed.

Navigation Display

Pressing RECALL during Slide Show mode allows you to display or remove the Navigation Area.



Navigation Area

Exit Slide Show mode

Pressing RETURN during Slide Show mode allows you to exit the mode.

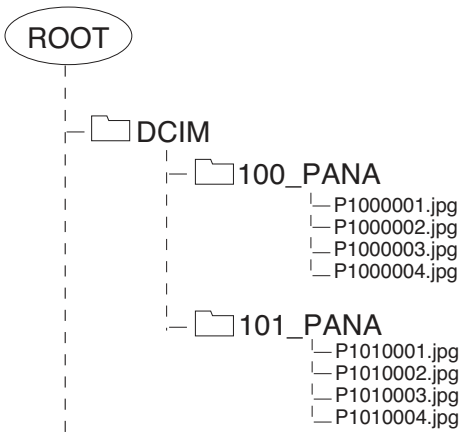


RETURN — Press RETURN with Slide Show mode displayed to return to the JPEG thumbnail mode.

Folders and Files

Digital cameras that are compliant with DCF specifications use folders with a specific structure. The following diagram shows an example of the folder structure.

Example:
If the Card file hierarchy is displayed on the PC as shown below.



DCIM Folder
The digital camera creates this folder automatically.

100_PANA Folder
Folder names consist of a 3-digit folder number which is followed by five arbitrary characters. Digital camera images are stored within these folders.

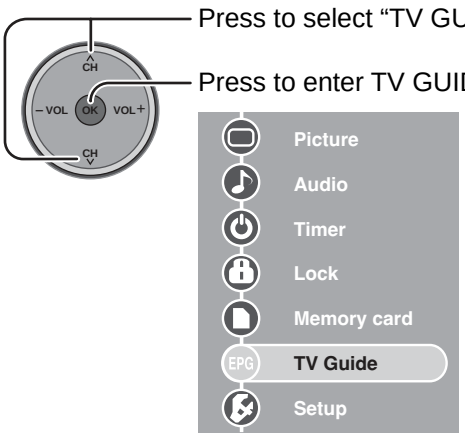
JPEG files in the 100_PANA folder are displayed when a Card, which is structured as shown left, is inserted.

Notes:
- The folder name may vary according to the digital camera being used.
- When a directory or file is created, only the characters “A-Z”, “a-z”, “0-9” and “_” are used. Two-byte characters or other special codes shall not be used.

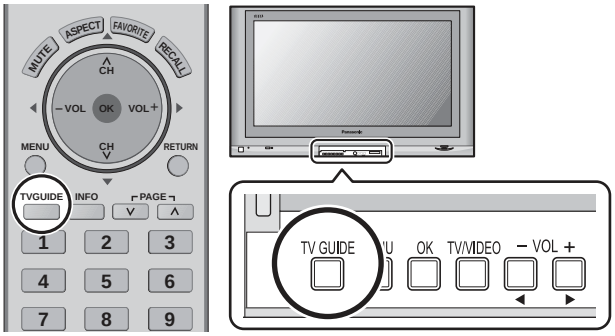
P1000001.JPG: DCF File
File names consist of four arbitrary characters followed by a 4-digit file number. DCF files are image files (normally JPEG files) that have been taken by a digital camera.

TV Guide

Press MENU to display the Main menu screen.



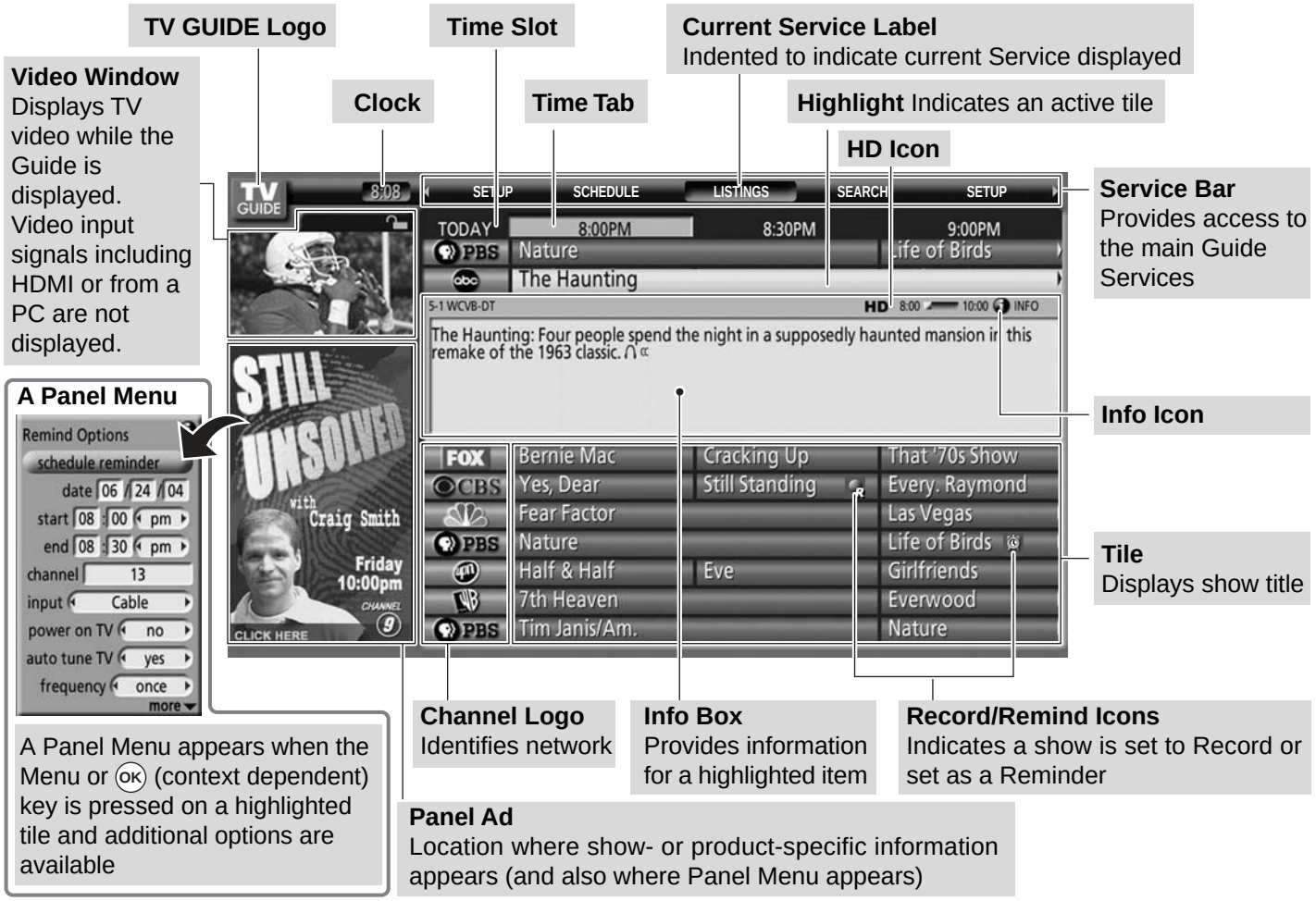
The TV GUIDE button on remote control or TV set may also be pressed to enter the TV GUIDE.



Screen Components

Guide screens have all or many of the features and controls in common, as shown in the following figure:

Highlight - indicates an active tile



See page 48 for Icon DESCRIPTION.

MAIN SERVICES

The Guide consists of up to 4 main Services: Listings, Search, Schedule, and Setup.
With the item highlighted in the service bar, press the Info button to display a Help screen. Press the Info button again to close the screen.

LISTINGS

Listings is always the first Service displayed in the Guide.



Use ▲▼◀▶ to move the highlight within Listings to

- View show listings for today plus 7 days (8 days total)
- Read show descriptions
- Tune directly to a show currently airing
- Set a show to Remind
- Set a show to Record
- To lock/unlock the Video Window:
 Highlight a channel logo on the LISTINGS Service Bar Label and press MENU to display the option to lock/unlock the Video Window.
- Access Panel and Channel Ads

SEARCH

Search lets you find shows by category, Keyword, or Alphabetical.

<Category Search Example: Movies>

From Search, use ▼ to highlight **Movies**.

Use ▼ to highlight a subcategory (for example, All).

Press (OK) key to display a list of all Movies, organized by date and time.

Highlight a show and press (OK) key to watch (if On now) or the Menu button to display the Episode Options menu.

In the Episode Options menu, you can choose to set a recording, a reminder, or tune to the channel.





<Keyword Search Example>
Keyword search lets you enter a word(s) for a particular show title found in the Listings Services.



Highlight the Keyword Section Bar, and press (OK) key to display the Keyword Search menu.

Highlight **New Search**, and press (OK) key.

The Search Options menu is displayed.

Highlight **Category**, and use ◀▶ to select a category to search.



When finished, use ▼ to highlight **Enter Keyword**.

The keyboard is displayed.

Use ▲▼◀▶ to highlight a character, and press (OK) key to display it. When complete, highlight **Done** and press (OK) key.

A list of all matching shows for that keyword is displayed.



SCHEDULE

Schedule lets you review, edit, or delete Record and Remind events that you set previously.
Highlight an event, and press the Menu button for Schedule Options.

Go to Service Bar - closes the menu, changes no information, and returns to the Schedule Service Bar.
Tune to Channel - exits the Guide and tunes to the channel of the highlighted show (show airs in the future).
Set Recording - opens a menu from which you can set a recording for the show (Reminder is not cancelled).
Delete Reminder - removes the Reminder from the Schedule, after a Confirm screen.
Edit Reminder - opens a menu from which you can change existing reminder information.
Cancel - closes the menu, changes no information, and returns to the highlighted show.

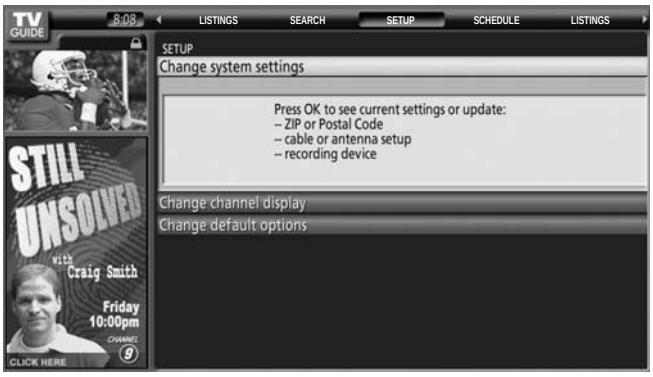


An icon identifies the event type:

Record	Once	Records the show one time
	Regularly	The show title appears on any day of the week, on the same channel **and** is at the midway point of the originally scheduled show
	Weekly	The show title appears on a specific day of the week **and** is at the midway point of the originally scheduled show
	Off	Keeps the show in the list but will not record this show until the frequency is changed
Remind	Once	Sets a show reminder one time
	Regularly	The show title appears on any day of the week, on the same channel **and** is at the midway point of the originally scheduled show
	Weekly	The show title appears on a specific day of the week **and** is at the midway point of the originally scheduled show
	Off	Keeps the show in the list but will not remind until the frequency is changed

SETUP

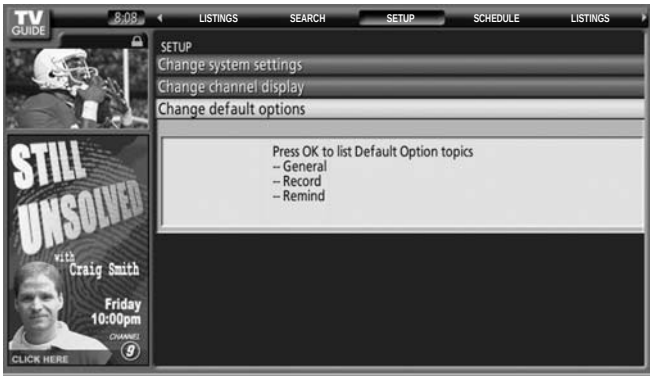
After you initially complete Guide Setup, you can make changes to existing Guide settings in the following areas:



Change System Settings
Change System Settings let you change your channel lineup as well as any updates to the information you entered during initial Guide setup.
Choose one of the options, press (OK) key, and follow the on-screen instructions.



Change Channel Display
Change Channel Display lets you edit channel information that appears in Listings. With Change Channel Display you can
- Switch a **channel**
- Change the **service** type if you are able to switch the source of the channel
- Change the **tune channel** number using your remote
- Enter a **position** number in the number entry box



Change Default Options
Change Default Options lets you change default settings in the following categories:
- General Defaults
- Record Defaults
- Remind Defaults

Record

You can set a show to Record in Listings, Search, and Schedule or change Record settings for a show in Schedule.
There are 2 ways to set a show to Record:

1) Using a Panel Menu

- Highlight a show, and press the Menu button to display the Episode Options menu.
- Highlight **Set Recording**, and press (OK) key to display the Record Options menu.
- Highlight the item, and use ◀ ▶ to choose option.

When finished, press (OK) key.



2) Using Manual Recording

- Highlight **Schedule**, and press the Menu button to display the Schedule Options menu.
- Highlight **New Manual Recording** and press (OK) key to display the Record Options menu.
- Current information is displayed. Use ▲▼◀ ▶ to change the information.

When finished, press (OK) key.



REMIND

You can set a show Reminder in Listings, Search, and Schedule, or you can change Reminder settings for a show in Schedule.

There are 2 ways to set a show Reminder:

1) Using a Panel Menu

- Highlight a show, and press the Menu button to display the Episode Options menu.
- Highlight **Set Reminder**, and press (OK) key to display the Remind Options menu.
- Highlight the item, and use ◀ ▶ to choose option.

When finished, press (OK) key.



2) Using Manual Reminder

- Highlight the Schedule Service label, and press the Menu button to display the Schedule Options menu.
- Highlight **New Manual Reminder** and press the (OK) key to display the Remind Options menu.
- Current information is displayed. Use ▲▼◀ ▶ to change the information.

When finished, press (OK) key.

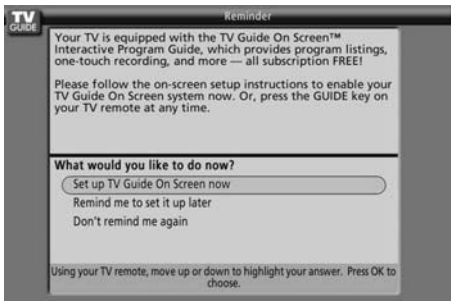


Icon DESCRIPTION

Name	Icon	Description
Info Button		Indicates additional Info box information is available or that the Info box has additional sizes. Indicates additional Info box information is available. Icon only appears for Panel Menus.
Progress Bar		Indicates how much time has elapsed in current program.
HDTV		Show is presented in High-Definition TV
AC3 Dolby Digital		Show is presented with Dolby Digital 5.1 audio, if available.
New		Show is new (not a re-run)
Stereo		Show is available in Stereo
CC		Closed Captioning is available for the show
TV Rating	For example, 	TV rating for the show
Lock/Unlock		Indicates status of the Video Window

INITIAL GUIDE SETUP for TV Guide

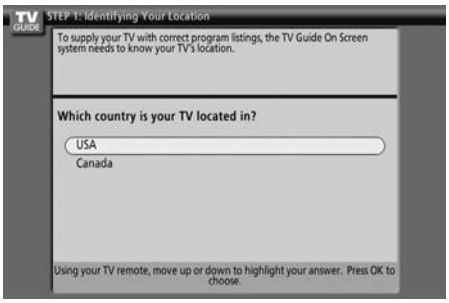
The TV Guide Welcome Screen is displayed when you use TV Guide function for the first time, or at first time setup (See page 20).
Select “Set up TV Guide On Screen now”.
Follow the instructions on the screen to perform setup.



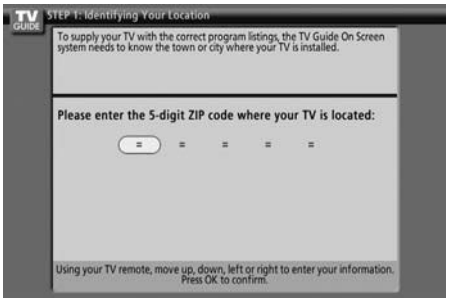


The system also enters the TV Guide mode if the TV GUIDE button is pressed.

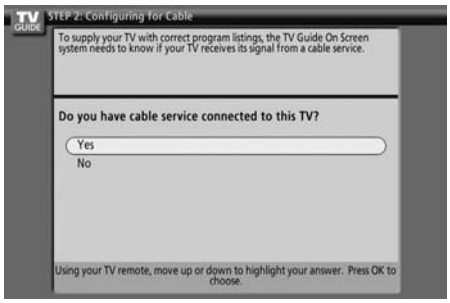
At each INITIAL GUIDE SETUP for TV Guide screen, use the “OK ▲▼◀▶” key to enter responses to questions shown on the screen. Use the OK key even if screen instructions specify an “Enter” key.



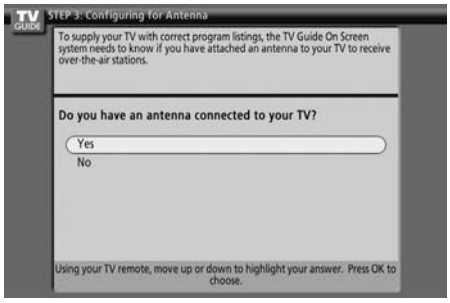
Screen 1: Country
Highlight a country, and press OK key to display Screen 2.



Screen 2: Enter ZIP or Postal Code
Input numbers, and press OK key to display Screen 3.



Screen 3: Do you have Cable?
- If you select Yes, you see Screen 5.
- If you select No, you see Screen 4.

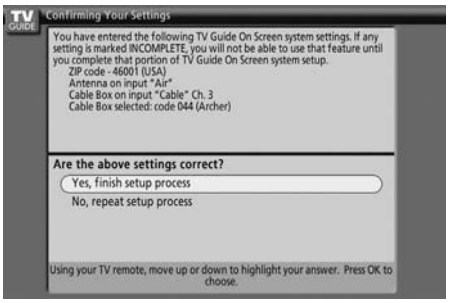


Screen 4: Do you have an antenna connected?
If you select Yes, you see Screen 5.

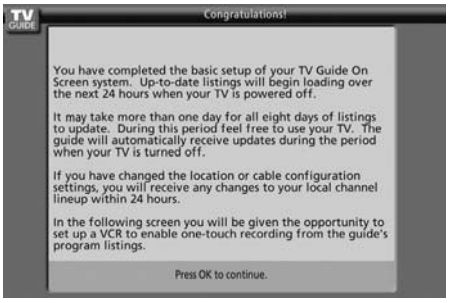
Note:
If you selected No in Screen 3 then you must select Yes in this screen to receive a channel lineup and listings.

If you select No, you see Screen 5.

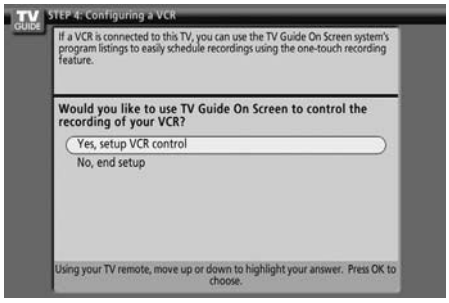
If you select YES, some devices may display an additional screen. After that screen, you see Screen 5.



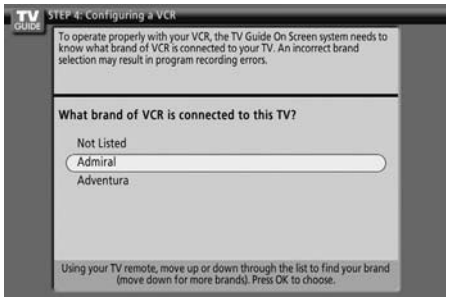
Screen 5: Are the settings correct?
If you select Yes, you see Screen 6.
If you select No, you see Screen 1.



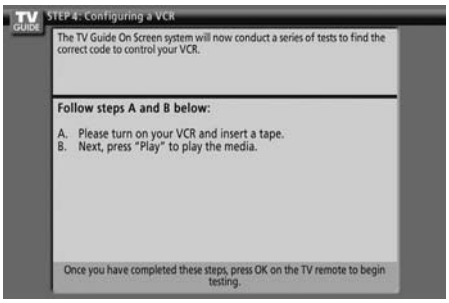
Screen 6 : Congratulations
Press (OK) key to display Screen 7.



Screen 7: Is a Recorder Connected?
- "Configuring a VCR" screen will be displayed. Press (OK) key to display the Recorder Brand name screen.
- If you select No, you see Screen 12.



Screen 8: Recorder Brand Name
Select the brand of the recording device, and press (OK) key to display Screen 9.



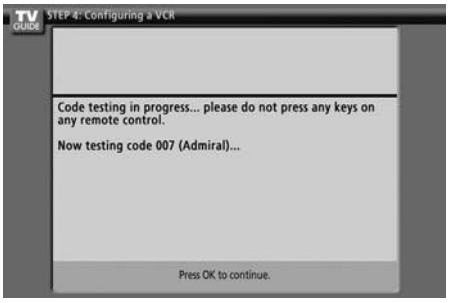
Screen 9 : Recorder Preparation
Follow the on-screen instructions, and press (OK) key to display Screen 10.

Note:
The manufacturer decides the VCR connection type allowed, and the screen that is displayed:

Either the VCR is placed between the TV signal source and the TV ("upstream")

OR

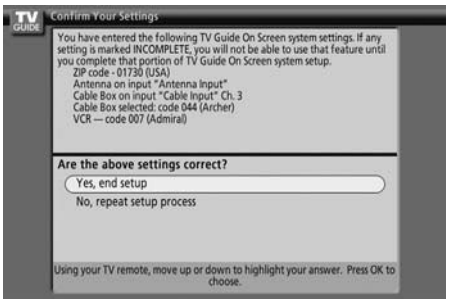
The VCR is placed after the TV signal source and the TV ("downstream")



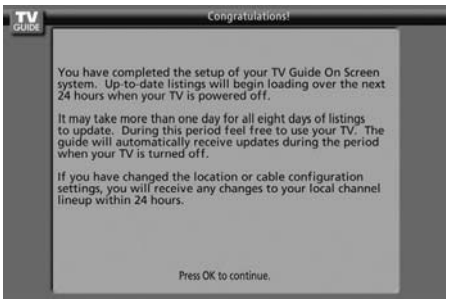
Screen 10 : Recorder Code Testing
When testing is done, Screen 12 displays automatically.



Screen 11 : Recorder stopped playing?
If you select Yes, you see Screen 12.
If you select No, a different code is tested in Screen 10.
If you select Test this code again, the same code is tested again in Screen 10.

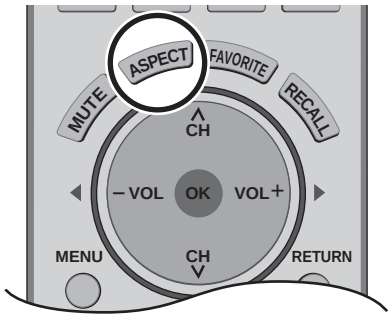


Screen 12 : Confirming Your Settings
Verify the Setup information is correct.
If it is, select Yes, end setup, and you see Screen 13.
If it is not, select No, repeat setup process, and you see Screen 1.



Screen 13 : Congratulations
You have successfully completed Setup!
Press (OK) key to display the "Helpful information" screen.

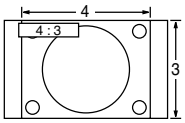
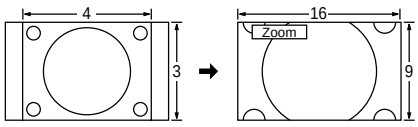
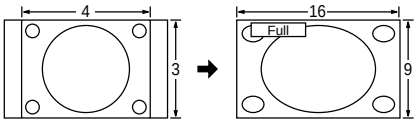
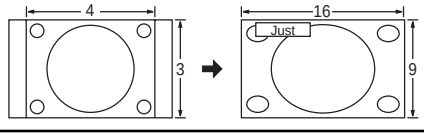
Aspect Controls



Let you choose the aspect depending on the format of the received signal and your preference.

ASPECT Press to change the aspect mode.

Note:
The available aspect modes depend on the receiving signal.
- 480i (4:3), 480i (16:9), 480p (4:3), 480p (16:9) : 4:3, Full, Just or Zoom
- 1080i / 720p : 16:9 only

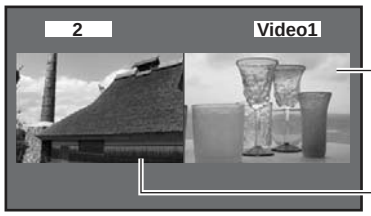
Mode	Picture	Explanation
4 : 3		Displays a 4:3 picture at its standard 4:3 size with gray side bars. (It may create an after-image on screen if displayed for a prolonged period of time.)
Zoom		Expands a 4:3 picture uniformly (width and height) to full screen width and then repositions the picture vertically. (Recommended for letterbox. This will show picture at full screen size.)
Full		Displays a picture at full screen size. (Recommended for anamorphic pictures.)
Just		Stretches the right and left edges of a 4:3 picture to fill the screen, and the center of the screen has aspect correction applied. The size of the picture depends on the original signal. (Recommended for regular TV viewing.)

Split - Screen



SPLIT DVD/VCR

Press to display two screen. (SPLIT frame)



SPLIT frame
(The previously selected screen appears.)

Main picture

Press SPLIT DVD/VCR button (while the two screen displayed) to return to normal viewing.

Notes:

- Audio is from Main picture only.
- Do not display a picture in two screen for an extended period, as this can cause an after-image to remain on the display field.
- To reduce the occurrence of after-images, set the “Side Bar” to “Bright”.
- See Side Bar Adjustment (see page 34) for setting the brightness of the upper and lower bands where no image appears.
- TV screen (RF input) cannot be displayed in both main and split frame simultaneously.
- Split function is not available when HDMI input and PC input is displayed. HDMI signal and PC input cannot be displayed in Split frame.
- To view Split frame, an external input must be connected to any one of the video inputs and the device must be switched on.

Changing the viewing condition

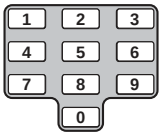


ASPECT

Press to change the viewing mode.

SWAP CH

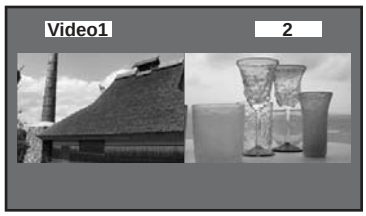
Press to SWAP the pictures.



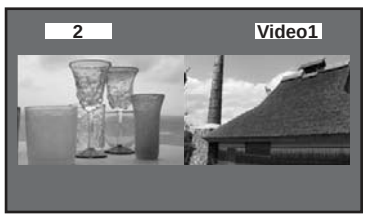
TV/VIDEO

Press to change channel or input signal. TV channel or Video input signal can be changed on SPLIT picture.

Picture and picture mode



SWAP CH



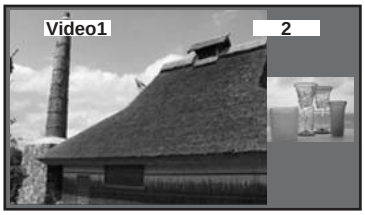
e.g. SPLIT picture is changed



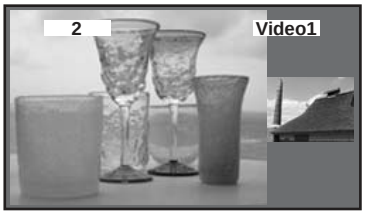
Press the **TV/VIDEO** button to switch between the TV and AV mode.

ASPECT

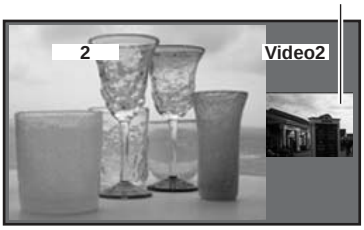
Picture out of picture mode



SWAP CH



e.g. SPLIT picture is changed



Notes:

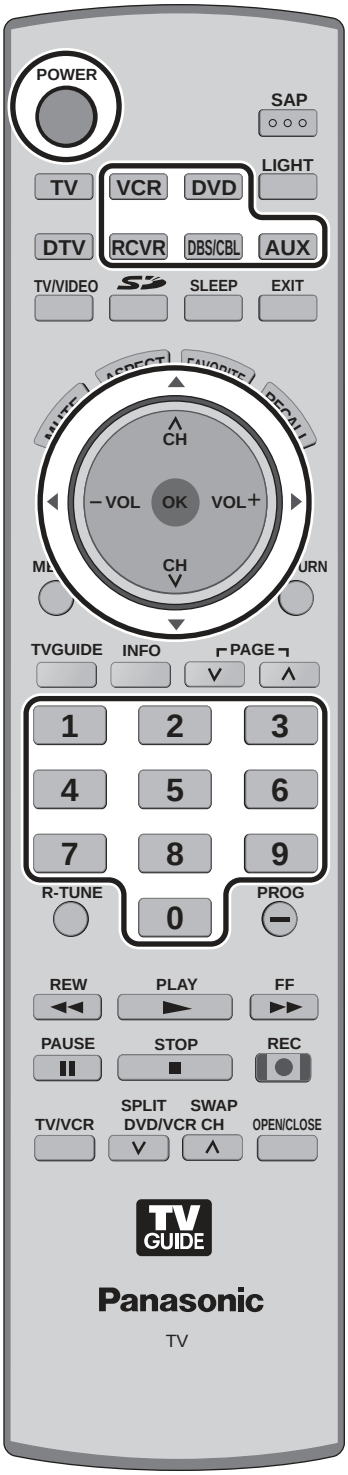
- If input is switched using TV/VIDEO, the same input source is not displayed simultaneously in 2 screens.
- Operation using the 10-key affects only the TV screen displayed in the main picture or the SPLIT frame picture. If neither picture displays a TV screen, the main picture switches to a TV screen and displays the channel you pressed.

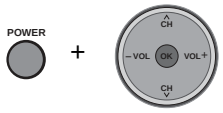
Programming the remote control code

You can operate other manufacturers' components using this TV's remote control.

Preparations:

- Connect the power cord of the external component to the wall outlet.
- Make sure the component is turned off.



1 

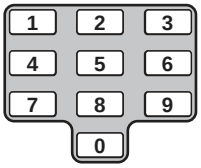
Press and hold **POWER** and (OK) **key** together, **for at least 5 seconds**.

- The mode selection buttons flashes, and then release **POWER** and (OK) **key**.

2 VCR DVD RCVR DBS/CBL AUX

Select the type of the component.

- The selected button lights and all others go out.

3 

Enter the 3-digit infrared code (see pages 54-55).

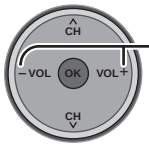
- Factory default setting : Panasonic
- Press **POWER** to test the operation.

Notes:

- If the component does not operate with the remote control, repeat the procedure using another code. (Some brands have multiple codes.)
- If an incorrect code is entered, or if the procedure takes longer than 30 seconds, the programming will fail.

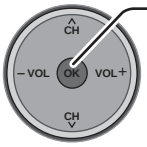
To find a code not listed in the index

1 After selecting the type of component (step 2, above)



Press to select the code.

- The code starts from the current device.
- Press **POWER** button to test the operation.
- Repeat the steps until the component code is found. It may take many attempts before the correct code is found.

2 

Press to store the code.

Infrared Code Index

The remote control is capable of operating many brands of peripheral equipment. Refer to page 53 for programming procedures.

Notes:

- The remote control memory is limited and therefore some models may not be operated. The remote control is not designed to control all features available in all models.
- After entering the proper infrared code, press the desired Mode Selection buttons (see page 16). Refer to page 56 for details on operating peripheral equipment using the remote control.

Infrared Remote Codes for Specific Components

Helpful Hint: Write down the code numbers for your components in the space provided below. This will serve as a handy reference whenever you need to reprogram your remote control.

CABLE Cable Box	**VCR** Video Cassette Recorder	**DVD** DVD Recorder / Player	
DBS Digital Broadcast System	**RCVR** Receiver or Amplifier	**CD** Compact Disc Player	
_____ Other Component	_____ Other Component	_____ Other Component	
_____ Other Component	_____ Other Component	_____ Other Component	

VCR

AUX

Codes for VCR

Brand	Code
Admiral	335
Aiwa	332
Akai	314, 315, 316, 329
Audio Dynamic	311, 339
Bell &Howell	305, 313
Broksonic	320, 326
Canon	323, 325
CCE	343
Citizen	306
Craig	305, 306, 329
Curtis Mathes	324, 345
Daewoo	301, 324, 343
DBX	310, 311, 339
Dimensia	345
Emerson	303, 319, 320, 325, 326, 343
Fisher	305, 307, 308, 309, 313
Funai	320, 326, 334
GE	324, 333, 345
Goldstar	306
Gradiente	334
Hitachi	300, 323, 345
Instant Replay	323, 324
Jensen	339
JVC	310, 311, 334, 339
Kenwood	306, 310, 311, 339
LXI	300, 305, 306, 307, 308, 309
Magnavox	323, 324, 331
Marantz	310, 311, 339
Marta	306
Memorex	309, 324
MGA	338, 340, 341, 347, 348
Minolta	300, 345
Mitsubishi	338, 340, 341, 347, 348
Multitech	304, 347
NEC	310, 311, 334, 339

Brand	Code
Olympic	323, 324
Optimus	306, 321, 328, 335
Orion	320, 326
Panasonic	321, 322, 323, 324
Penney	300, 305, 310, 311, 324, 339, 345
Pentax	300, 311, 345
Philco	320, 323, 324, 326, 331, 343
Philips	323, 324, 331
Pioneer	323
Proscan	300, 301, 302, 323, 324, 331,333, 345, 346
Quasar	321, 322, 323, 324
Radio Shack	305, 309, 324, 333, 336, 340
RCA	300, 301, 302, 323, 324, 331,333, 345, 346
Realistic	305, 309, 324, 336, 340
Samsung	302, 304, 333
Sansui	320, 326, 339, 352
Sanyo	305, 309, 313
Scott	301, 302, 304, 309, 320, 326,338, 340, 347, 348
Sears	300, 305, 306, 307, 308
Sharp	335, 336
Shintom	317
Signature 2000	335
Singer	317
Sony	328, 329, 330
Sylvania	323, 324, 331
Tashiro	306
Tatung	310, 311, 339
Teac	310, 311, 339
Technics	321, 322, 323, 324
Teknika	324
Toshiba	301, 346
Vector Research	311
Wards	306, 309, 335, 336, 344
Yamaha	305, 310, 311, 339
Zenith	306, 344

DVD

Codes for CD

Brand	Code
Admiral	226
Aiwa	233, 235
Carver	229
Denon	242
Emerson	239
Fisher	205
Harman Kardon	219, 220, 221, 223
Hitachi	207
Jensen	234
JVC	240, 241, 245
Kardon	223
Kenwood	200, 201, 211, 245

Brand	Code
LXI/Sears	236
Magnavox	229, 232
Marantz	229
McIntosh	221
Nakamichi	210
Onkyo	214, 215
Optimus	208, 218, 220, 222
Panasonic	224, 225, 227
Philips	229, 230
Pioneer	208
Quasar	224, 225, 227
RCA	231, 237, 238, 247

Brand	Code
Sansui	210, 246
Sanyo	205
Scott	210, 246
Sharp	242, 243
Sherwood	220
Sony	228
Soundesign	244
Teac	212, 216, 218
Technics	224, 225, 227
Victor	240, 241, 245
Yamaha	202, 203, 204

DVD

Codes for DVD

Brand	Code
Denon	100
Ferguson	101
JVC	109
Mitsubishi	105
Nordmende	101
Panasonic	100

Brand	Code
Philips	103
Pioneer	102
RCA	101
Saba	101
Samsung	110
Sharp	108

Brand	Code
Sony	104
Technics	100
Thomson	101
Toshiba	103
Yamaha	100
Zenith	107

AUX

Codes for Personal Video Recorders

Brand	Code
Panasonic Replay TV	100
Philips Tivo	101
Sony Tivo	102

AUX

Codes for Cassette Deck

Brand	Code
Aiwa	223, 224, 225
Denon	231
Fisher	203
Jensen	214
JVC	229, 230
Kenwood	200, 207
Marantz	202

Brand	Code
Nakamichi	205
Onkyo	208, 209, 213
Panasonic	216, 218
Philips	222
Pioneer	204
RCA	226, 227, 228
Sansui	205, 210

Brand	Code
Sharp	231
Sony	219, 220
Teac	210, 211, 215
Technics	216, 218
Yamaha	201, 202

RCVR

Codes for Receivers

Brand	Code
Admiral	120
Aiwa	125, 126
Denon	134, 135, 136
Fisher	104
Garrard	113
Harman Kardon	115, 123
Jensen	129
JVC	132, 133
Kenwood	100, 108
Magnavox	127

Brand	Code
Marantz	124
McIntosh	116
Nakamichi	106
Onkyo	109, 114
Optimus	103, 127, 130, 131
Panasonic	118, 119, 121
Philips	123
Pioneer	105, 107
Quasar	118, 119, 121

Brand	Code
RCA	103, 105, 127, 130, 131
Sansui	103, 111, 139
Sharp	134, 137
Sony	122
Soundesign	138
Teac	111, 112, 113
Technics	118, 119, 121
Victor	132, 133
Yamaha	101, 102

DBS/CBL

Codes for DBS

Brand	Code
Dish Network	105, 115, 116
Echo Star (Echostar)	105
Express VU	105, 115
G.E.	106
G.I. (General Instrument)	108

Brand	Code
Gradiente	114
Hitachi	103, 111, 112
HNS (Hughes)	103
Magnavox	101, 102
Panasonic	104
Philips	101, 102
Primestar	108

Brand	Code
Proscan	106, 109, 110, 113
RCA	106, 109, 110, 113
Sony	107
Star Choice	103, 108
Toshiba	100
Uniden	101, 102
Zenith	127

DBS/CBL

Codes for Cable Box

Brand	Code
ABC	224
Archer	225, 232
Cableview	205, 232
Citizen	205, 222
Curtis	212, 213
Diamond	224, 225, 232
Eagle	229
Eastern	234
GC Brand	205, 232
Gemini	222
General Instrument/Jerrold	211, 219, 220, 221, 222, 223, 224, 225, 226, 227
Hamlin	212, 218, 240, 241, 242, 245
Hitachi	203, 224
Macom	203, 204, 205
Magnavox	233

Brand	Code
Memorex	230
Movietime	205, 232
Oak	202, 237, 239
Panasonic	209, 210, 214
Philips	206, 207, 228, 229, 230
Pioneer	201, 216
Pulsar	205, 232
Puser	232
RCA	215
Realistic	232
Regal	212, 218, 240, 241, 242, 245
Regency	234
Rembrandt	205, 232, 237
Samsung	205
Scientific Atlanta	211, 212, 213

Brand	Code
Slmark	201, 205
Sprucer	205, 210
Stargate	205, 232
Teleview	201, 205
Texscan	244
Tocom	235
Toshiba	204
Unika	225, 232
Universal	222, 232
Videoway	206
Viewstar	229, 230
Zenith	200, 217
Zenith /Drake Satellite	200

Mode Operational Key Chart

This chart defines which keys are operational after programming (if needed), while in the selected remote control mode, DTV, CABLE, DBS, VCR, DVD ...etc.

KEY NAME	DTV MODE	CABLE MODE	DBS MODE
POWER	POWER	POWER	POWER
	NAVIGATION UP/DOWN	CABLE CHANNEL UP/DOWN	DBS NAVIGATION UP/DOWN
	OK	–	DBS MENU
	NAVIGATION RIGHT/LEFT	–	DBS NAVIGATION RIGHT/LEFT
MENU	DTV MENU	–	–
RECALL	PROGRAM INFO.	–	DBS PROGRAM INFO.
EXIT	EXIT (EPG) ELECTRONIC PROGRAM GUIDE	–	EXIT DBS MENU
1 2 3 4 5 6 7 8 9 0	Select Channel	Select Channel	Select Channel
R-TUNE	PREVIOUS STB CHANNEL	CABLE PREVIOUS CHANNEL	DBS PREVIOUS CHANNEL
PROG	DTV PROGRAM/DASH	–	–
REC	Info (EPG) ELECTRONIC PROGRAM GUIDE	–	–
SPLIT SWAP DVD/VCR CH	–	–	DBS CHANNEL UP/DOWN

KEY NAME	VCR MODE	DVD/CD MODE (DVD)	DVD/CD MODE (CD)	AUX MODE (PVR)	AUX MODE (VCR2)	AUX MODE (TAPE)	RCVR MODE
POWER	POWER	POWER	POWER	POWER	POWER	POWER	POWER
MUTE	TV MUTE	TV MUTE	RCVR MUTE	TV MUTE	RCVR MUTE	RCVR MUTE	RCVR MUTE
TV/VIDEO	TV INPUT SW	–	–	–	TV INPUT SW	–	RCVR INPUT SW
LIGHT	–	–	–	–	–	–	REMOTE BUTTONS
	–	NAVIGATION UP/DOWN	NEXT/PREVIOUS TRACK	NAVIGATION UP/DOWN	–	–	TUNER +/–
	–	–	–	–	–	–	–
	VOLUME –/+	NAVIGATION RIGHT/LEFT	RCVR VOLUME –/+	NAVIGATION RIGHT/LEFT	VOLUME –/+	VOLUME –/+	RCVR VOLUME –/+
MENU	–	–	–	PVR MENU	–	–	–
RECALL	ONSCREEN VCR DISPLAY	DVD DISPLAY	TIME FORMAT	–	ONSCREEN VCR DISPLAY	–	–
EXIT	–	–	–	EXIT PVR MENU	–	–	–
1 2 3 4 5 6 7 8 9 0	–	1... AV1 6... TUNER 2... AV2 7... PHONO 3... AV3 8... TAPE 4... AV4 9... AUX 5... CD	–	Select Channel	–	–	1... AV1 6... TUNER 2... AV2 7... PHONO 3... AV3 8... TAPE 4... AV4 9... AUX 5... CD
R-TUNE	–	–	–	PREVIOUS CHANNEL RELAY ZONES	–	DECK A/B	–
PROG	–	–	–	PVR RETURN TO LIVE	–	–	–
REW FF	VCR REW/FF	SKIP SEARCH REW/FF	SEARCH REW/FF	–	VCR REW/FF	TAPE REW/FF	SURROUND +/–
PLAY	PLAY	PLAY	PLAY	PLAY	PLAY	PLAY	–
PAUSE	PAUSE	STILL/PAUSE	PAUSE	PAUSE	PAUSE	PAUSE	–
STOP	STOP	STOP	STOP	–	STOP	STOP	–
REC	VCR RECORD	–	–	PVR RECORD	VCR RECORD	TAPE RECORD	–
TV/VCR	TV/VCR SWITCH	–	–	–	TV/VCR SWITCH	–	–
SPLIT SWAP DVD/VCR CH	VCR CHANNEL UP/DOWN	–	–	PVR CHANNEL UP/DOWN	VCR CHANNEL UP/DOWN	–	RCVR CENTER +/–
OPEN/CLOSE	–	OPEN/CLOSE	OPEN/CLOSE	PVR QUICK SKIP	–	–	–

VIDEO/COMPONENT/HDMI input signals

VIDEO input

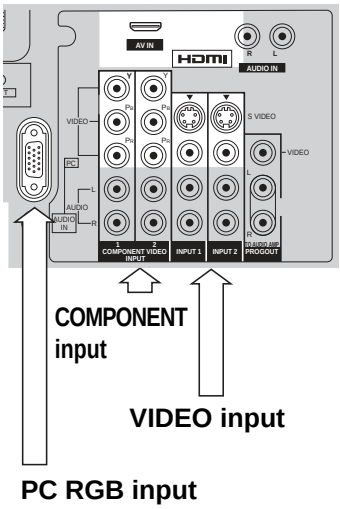
	signal name	horizontal frequency (kHz)	vertical frequency (Hz)
1	NTSC	15.73	59.94

Applicable input signals (mark)

	signal name	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	PC	HDMI
1	525 (480) /60i	15.73	59.94	✻		✻
2	525 (480) /60p	31.47	59.94	✻		✻
3	750 (720) /60p	45.00	59.94	✻		✻
4	1,125 (1,080) /60i	33.75	59.94	✻		✻
5	640 × 400 @70	31.47	70.08		✻	
6	640 × 480 @60	31.47	59.94		✻	
7	Macintosh13" (640 × 480)	35.00	66.67		✻	
8	640 × 480 @75	37.50	75.00		✻	
9	852 × 480 @60	31.47	59.94		✻	
10	800 × 600 @60	37.88	60.32		✻	
11	800 × 600 @75	46.88	75.00		✻	
12	800 × 600 @85	53.67	85.08		✻	
13	Macintosh16" (832 × 624)	49.73	74.55		✻	
14	1,024 × 768 @60	48.36	60.00		✻	
15	1,024 × 768 @70	56.48	70.07		✻	
16	1,024 × 768 @75	60.02	75.03		✻	
17	1,024 × 768 @85	68.68	85.00		✻	
18	Macintosh 21" (1,152 × 870)	68.68	75.06		✻	
19	1,280 × 1,024 @60	63.98	60.02		✻	
20	1,366 × 768 @60	48.36	60.00		✻	

Note: Signals without above specification may not be displayed properly.

HDMI input



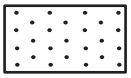
Specifications

		TH-42PX500U	TH-50PX500U		
Power Source		AC 120 V, 50/60 Hz			
Power Consumption					
Maximum		410 W	535 W		
Stand-by condition		0.6 W (with CableCARD™: 23.0 W)	0.6 W (with CableCARD™: 23.0 W)		
Plasma Display panel		Drive method : AC type 42-inch ,16 : 9 aspect ratio	Drive method : AC type 50-inch, 16 : 9 aspect ratio		
Screen Size (W × H × diagonal)		36 7/32 " (920 mm) × 20 25/64 " (518 mm) × 41 9/16 " (1,056 mm)	43 35/64 " (1,106 mm) × 24 31/64" (622 mm) × 49 61/64 " (1,269 mm)		
Dimensions (W × H × D)		44 51/64 " (1,138 mm) × 28 47/64 " (730 mm) × 5 7/16 " (138 mm)	52 1/4 " (1,327 mm) × 33 3/16 " (843 mm) × 5 7/16 " (138 mm)		
Mass (Weight)		88.2 lb. (40 kg)	114.6 lb. (52 kg)		
Channel Capability-ATSC/NTSC		VHF/ UHF : 2-69, CATV:1-135			
Sound	**Speaker**	Woofer 3 5/32 " (80mm) × 2, Tweeter 5/8 " (16 mm) × 2 7/8 " (73 mm) × 4			
	Audio Output	26 W [8 W + 8 W, 5 W + 5 W] (10 % THD)			
FEATURES		3D Y/C FILTER CLOSED CAPTION BBE VIVA 3D	HDMI V-Chip Photo Viewer	Cable CARD™ Slot Split-Screen TV GUIDE	
Accessories Supplied		Remote control: EUR7627Z50 or EUR7627Z80 AA Battery × 2 AC Cord	Pedestal Cable clamper × 2	F-type antenna adapter (5C-2V × 1) Ferrite cores:large × 1, small × 5 (gray × 1, white × 4)	IR Blaster
Operating Conditions		Temperature : 32 °F - 104 °F (0 ° – 40 °C)		Humidity : 20 % - 80 % (non-condensing)	
Connection Terminals		AV INPUT 1- 3	VIDEO (Phono Jack Type)	1.0 Vp-p (75 Ω)	
			S-VIDEO (Mini DIN 4-pin)	Y : 1.0 Vp-p (75 Ω), C : 0.286 Vp-p (75 Ω)	
			AUDIO L-R (Phono Jack Type × 2)	0.5 Vrms	
		AV PROG. OUT	VIDEO (Phono Jack Type)	1.0 Vp-p (75 Ω)	
			AUDIO L-R (Phono Jack Type × 2)	0.5 Vrms	
		COMPONENT VIDEO INPUT1-2	Y	1.0 Vp-p (including synchronization)	
			PB / PR	± 0.35 Vp-p	
			AUDIO L-R (Phono Jack Type × 2)	0.5 Vrms	
		HDMI	HDMI type A Connector		
			AUDIO L-R (Phono Jack Type × 2)	0.5 Vrms	
		DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic		
		RGB input	D-SUB 15pin	R,G,B / 0.7 Vp-p (75 Ω) HD, VD / 1.0 - 5.0 Vp-p (high impedance)	
		AUDIO L-R		M3 (3.5 mm) Jack × 1	
		IR Blaster	G-LINK	M3 (3.5 mm) Jack × 1	

Note: Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

Troubleshooting Chart

Before calling for service, determine the symptoms and follow suggested solutions.

Symptoms		Solutions	Page
VIDEO	AUDIO		
 Snowy Video	 Noisy Audio	• Adjust the antenna location and connection.	9
 Multiple Image	 Noisy Audio	• Adjust the antenna location and connection. • Check the antenna lead-in cable.	9 9
 Interference	 Noisy Audio	• Move the television away from electrical appliances, lights, vehicles and medical equipment.	–
 Normal Video	 No Audio	• Increase volume • Check Mute. • Check Television Speakers on/off. • Change channel. • Stereo/SAP/Mono • When using HDMI	21 17 27 21 17 27
 No Video with Snow	 Noisy Audio	• Set Input Setup properly. • Check the antenna cables.	30 9
? No Video	 No Audio	• Check if the power cord is plugged into the wall outlet. • Adjust Brightness and Audio controls. • Change channel. • Check the cable connections. • Program the remote control code. • Check the second video source operation. • Make sure that a PC is not connected to HDMI input. Rarely, the TV will not display video in HDMI input from devices with HDMI or DVI output due to bad communication between the TV and the devices. Should this happen, unplug the HDMI/DVI device and plug it back in.	15 24, 27 21 11-14 53-55 53-55 13
 No Color	 Normal Audio	• Adjust Color settings. • Change channel.	24, 25 21
 Digitalization of image Image freeze up	 Audio Break up	• Re-orient the ATSC antenna. • Check signal meter. If the signal is weak, add a signal booster to boost the signal strength.	– 31
 Normal Video	 Wrong Audio	• Check if the audio mode is set to Stereo or Mono, not SAP. • Change the audio of the HDMI device to Linear PCM. • Check the audio setting for HDMI. If there is functional problem with Digital Audio, use Analog audio.	17 – 27
 Black Box on Screen	 Normal Audio	• Change CC (Closed Caption). • Change the Closed Caption (CC) Analog settings to other than T1, T2, T3 or T4.	32
 Normal Video	 Normal Audio	• Replace the remote control batteries.	7
Intermittent Remote Control Operation			

Plasma Display panel

Symptoms	Check	Page
Some parts of the screen do not light up.	• The plasma display panel is manufactured using an extremely high level of precision technology; however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.	–
 An after-image appears.	• Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. **Note:** The permanent after-image on the Plasma TV resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.	34
Whirring sounds can be heard from the display unit.	• The TV is fitted with a cooling fan to dissipate heat generated during normal use. The rotating fan may cause a whirring sound but it is not a malfunction.	–

TV Guide

Symptoms	Check	Page
I got listings after my initial setup; however, some days say “No Listings.”	After initial setup, it can take up to a week to populate the full 8 days of listings. Once fully populated, 8 days of program information should always be available.	–
My Guide listings disappeared after a power failure.	You should begin to receive listings again within 24 hours.	–
Some channel numbers in the Guide are incorrect.	You can correct them using Change Channel Display under Setup.	46
I have not received any Guide show listings.	Listings begin to appear within 24 hours after a successful Setup. • Check the connections between the TV, cable, antenna, and the IR cable if using a cable box. • Verify Setup information under Change System Settings. • Make sure the cable box is On, if applicable. • Review Screen 4 and Screen 5 in the Initial Guide Setup section.	 9, 10 46 – 49, 50
Recording did not occur.	• Make sure your recorder is turned Off before the recording begins. • Make sure there is a tape in the Recorder. • Check the Schedule menu and verify that the show is listed before recording begins. • Check the placement of the IR cable in front of your recorder.	– – 45 10
The TV did not tune to a show I scheduled with the Reminder feature.	• Check the Schedule menu and verify that the show is listed. • If you have a cable box, check the IR cable.	45 10
I set a show to Auto-Tune and it did not.	• Check the Schedule menu and verify that the show is listed as a Reminder. • Highlight the show under Listings and do the following: – Press the Menu button on the remote. – Use the down arrow to highlight Edit Reminder, and press OK key. – Verify the Auto-Tune option reads Yes. • The TV must be On at the scheduled time for Auto-Tune.	45, 47 47 –
I set a show with the Power On TV option and it did not.	• Check the Schedule menu and verify that the show is listed as a Reminder. • Highlight the show under Listings and do the following: – Press the Menu button on the remote. – Use the down arrow to highlight Edit Reminder, and press OK key. – Verify the Power On TV option reads Yes. • The TV must be Off at the scheduled time for Power On TV.	45, 47 47 –

LIMITED WARRANTY (for U.S.A.)

PANASONIC CONSUMER ELECTRONICS COMPANY,
DIVISION OF:
PANASONIC CORPORATION OF NORTH AMERICA
One Panasonic Way
Secaucus, New Jersey 07094

PANASONIC SALES COMPANY,
DIVISION OF:
PANASONIC PUERTO RICO, INC.
Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Color Television
Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as “the warrantor”) will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

TV CATEGORY	ALL PARTS	LABOR	SERVICE
PLASMA TELEVISION	1 (ONE) YEAR	1 (ONE) YEAR	IN-HOME OR CARRY-IN

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in your product or arrange for in-home service (in-home service available only for 22” [diagonal] and larger screen), as applicable, during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Carry-in or In-Home Service

For Carry-In or In-Home Service (as applicable) in the United States call 1-800-211-PANA(7262) or visit Panasonic Web Site: http://www.panasonic.com
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

In-Home service, if applicable, requires clear, complete and easy access to the product by the authorized servicer and does not include removal or re-installation of an installed product. It is possible that certain in-home repairs will not be completed in-home, but will require that the product, or parts of the product, be removed for shop diagnosis and/or repair and then returned.

Limited Warranty continued on next page

Limited Warranty continued from previous page

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage, nor does it cover markings or retained images on the picture tube resulting from viewing fixed images (including, among other things, letterbox pictures on standard 4:3 screen TVs, or non-expanded standard 4:3 pictures on wide screen TVs, or onscreen data in a stationary and fixed location). The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, or travel to and from the servicer or loss of images, data or other memory content. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANT-ABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied Limited Warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have others rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE (INCLUDING COST OF AN IN-HOME SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

CUSTOMER SERVICES DIRECTORY (for U.S.A.)

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:
http://www.panasonic.com/consumersupport

or, contact us via the web at:
http://www.panasonic.com/contactinfo

You may also contact us directly at:
1-888-VIEW-PTV (843-9788)
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY : 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books on line for all Panasonic Products by visiting our Web Site at:
http://www.pasc.panasonic.com

or, send your request by E-mail to:
npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.)
Panasonic Services Company
20421 84th Avenue South,
Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY : 1-866-605-1277

Service in Puerto Rico

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park,
Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

LIMITED WARRANTY (for Canada)

Panasonic Canada Inc.

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Plasma TV / Monitor	**In-home service**	**One (1) year, parts (including Plasma Panel) and labour.**
LCD TV (26 in & over)	**In-home service**	**One (1) year, parts (including LCD Panel) and labour.**
LCD TV (25 in & under)	**Carry-in service only**	**One (1) year, parts (including LCD Panel) and labour.**
LCD Projector	**Carry-in service only**	**One (1) year, parts (lamp ninety (90) days) and labour.**
Accessories		**Ninety (90) days (parts only)**

In-home Service will be carried out only to locations accessible by roads and within 50 km of an authorized Panasonic service facility.

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.
This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

For product operation and information assistance, please contact:

Our Customer Care Centre:
Telephone #: (905) 624-5505
1-800 #: 1-800-561-5505
Fax #: (905) 238-2360
Email link: “Contact Us” on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca :

Link: “Servicentres™ locator” under “Customer support”

Panasonic Factory Service:

Vancouver

Panasonic Canada Inc.
12111 Riverside Way
Richmond, BC V6W 1K8
Tel: (604) 278-4211
Fax: (604) 278-5627

Mississauga, Ontario

Panasonic Canada Inc.
5770 Ambler Dr.
Mississauga, ON L4W 2T3
Tel: (905) 624-8447
Fax: (905) 238-2418

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.

Include details of the defect claimed, and proof of date of original purchase.

Customer's Record
The model number and serial number of this product can be found on its back cover. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____ Serial Number _____

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus
New Jersey 07094 U.S.A.

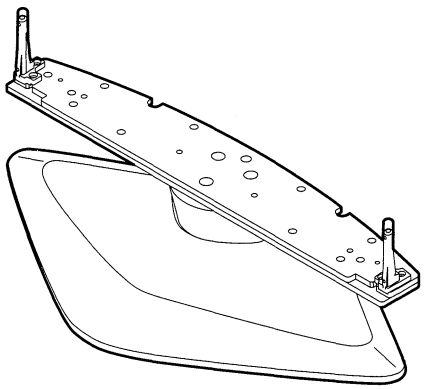
Panasonic Puerto Rico Inc. ("PSC")
Ave. 65 de Infanteria, Km 9.5
San Gabriel Industrial Park,
Carolina, Puerto Rico 00985

Panasonic Canada Inc.
5770 Ambler Drive
Mississauga, Ontario
L4W 2T3 CANADA

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Panasonic®



Model No.

TY-ST42PX500
TY-ST50PX500

プラズマテレビ据置きスタンド
取り付け設置説明書
取り付け設置前に、この説明書とプラズマテレビの取扱説明書をよくお読みのうえ、正しい取り付け設置を行ってください。
（移動やメンテナンスのときは、必要になる場合がありますので保存していただきますようお願いいたします。）

日本語

Installation Instructions
Pedestal for Plasma Television
Before commencing work, carefully read these Instructions and the Manual for the plasma television to ensure that fitting is performed correctly.
(Please keep these instructions. You may need them when maintaining or moving.)

English

Installationsanleitung
Sockel für Plasma-Fernseher
Vor der Ausführung lesen Sie bitte diese Anleitung und die Bedienungsanleitung für den Plasma-Fernseher sorgfältig durch, damit die Anbringung richtig ausgeführt wird.
(Bitte bewahren Sie diese Anleitung auf. Sie kann bei der Wartung oder der erneuten Anbringung der Halterung benötigt werden.)

Deutsch

Installatiehandleiding
Vloerstandaard voor plasmatelevisie
Lees deze installatiehandleiding en de bedieningshandleiding voor de plasmatelevisie zorgvuldig door voordat u begint, zodat de montagewerkzaamheden op de juiste wijze worden uitgevoerd.
(Bewaar deze handleiding. U hebt de handleiding weer nodig wanneer u de bevestigingssteun verwijdert of verplaatst.)

Nederlands

Instruzioni per l'installazione
Piedistallo per il televisore al plasma
Prima di iniziare il montaggio leggere attentamente queste istruzioni ed il manuale del televisore al plasma per poter procedere al montaggio in modo corretto.
(Conservare poi queste istruzioni che si renderanno necessarie per la manutenzione e l'eventuale spostamento della staffa.)

Italiano

Instructions d'installation
Piédestal pour téléviseur à plasma
Avant de commencer le travail, lisez attentivement ces instructions ainsi que le mode d'emploi téléviseur à plasma de manière à réaliser un montage convenable.
(Conservez soigneusement les présentes instructions. Vous pouvez en avoir besoin pour effectuer un entretien ou si vous désirez déplacer l'applique.)

Français

Instrucciones de instalación
Pedestal para televisor con pantalla de plasma
Antes de empezar el trabajo, lea atentamente estas instrucciones y el manual del televisor con pantalla de plasma para asegurar una instalación correcta.
(Guarde estas instrucciones. Podrá necesitarlas cuando haga trabajos de mantenimiento o mueva el soporte.)

Español

Monteringsanvisningar
Bottenplatta för plasma-TV
Innan arbetet påbörjas ska du noga läsa dessa anvisningar och bruksanvisningen som medföljer plasma-TV:n för att försäkra att arbetet utförs på rätt sätt.
(Bevara dessa anvisningar. Du kan behöva anlita dem på nytt för underhåll eller flyttning av hållaren.)

Svenska

Monteringsvejledning
Sokkel til plasma-tv
Før arbejdet påbegyndes, skal De omhyggeligt læse disse instruktioner og betjeningsvejledningen til plasma-tv'et for at sikre at opsætningsarbejdet udføres korrekt.
(Gen disse instruktioner. De kan få brug for dem ved vedligeholdelse, eller hvis ophænget skal flyttes.)

Dansk

组装设置说明书
用于等离子电视机的底座
在安装施工之前，请务必认真阅读本说明书和等离子电视机的使用说明书，在此基础之上正确地进行施工。
在完成安装施工之后，请将本说明书转交给顾客，请顾客认真阅读后妥为保管。
（因为在更改安装位置或维修之时，可能会需要本说明书。）

中文

TQZH633

Precautions with regard to setting up

WARNING

Keep unneeded small parts and other objects out of the reach of small children.
• These objects can be accidentally swallowed. also,be careful about packaging materials and plastic sheets.

Do not disassemble or modify the pedestal.
• Otherwise the unit may fall over and become damaged, and personal injury my result.

CAUTION

Do not use any television and displays other than those given in the catalogue.
• Otherwise the unit may fall over and become damaged, and personal injury may result.

Do not climb up onto the pedestal or use it as a step. (Young children should be made particularly aware of this caution.)
• If the unit falls over or becomes damaged through misuse, injury may result.

Do not use the pedestal if it becomes warped or physically damaged.
• If you use the pedestal whilst it is physically damaged, personal injury may result. Contact your nearest Panasonic Dealer immediately.

Set up on a stable, level surface.
• Otherwise the unit may fall over and become damaged, and personal injury may result.

Do not use in places with high humidity.
• Long-term usage in such conditions can cause warping or deformation. This can lead to loss of strength, and the unit may fall over and become damaged, and personal injury may result.

During setting-up, make sure that all screws are securely tightened.
• If sufficient care is not taken to ensure screws are properly tightened during assembly, the pedestal will not be strong enough to support the plasma television, and it might fall over and become damaged, and personal injury may result.

Use the accessory fall-prevention brackets to secure the plasma television.
• If the unit is knocked or children climb onto the pedestal with the Plasma TV installed, the plasma television may fall over and personal injury may result.

Two people are required to install and remove the television.
• If two people are not present, the television may be dropped, and personal injury may result.

Leave a space of at least 100 mm (3 $^{15}/_{16}$ inches) at the top, left and right, and at least 70 mm (2 $^{49}/_{64}$ inches) at the rear of the plasma television.
• The television has air outlet holes at the top and air intake holes at the bottom and rear. These holes must not be covered, otherwise fire may result.

When rotating the television, please turn it slowly and be aware of items in the surrounding area.
• Luck of caution may result in injury or damage.

Notes on handling

1) If the unit is placed in direct sunlight or next to a stove, the light and heat may cause discoloration or deformation.
2) Cleaning
Wipe the unit with a dry cloth. If the unit is particularly dirty, clean it using a cloth soaked with water to which a small amount of neutral detergent has been added, and then wipe with a dry cloth.
Do not use products such as solvents, thinner or household wax for cleaning, as they can damage the surface coating.
(If using a chemically-treated cloth, follow the instructions supplied with the cloth.)
3) Do not attach sticky tape or labels, as they can make the surface of the pedestal dirty.

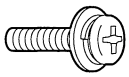
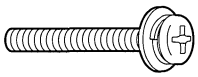
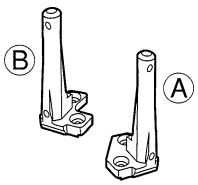
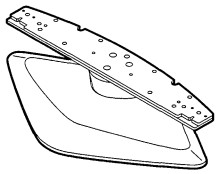
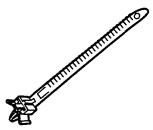
Assembling & setting up the pedestal

Points to note during installation

- Insert the mains plug into a mains socket which is close and easily accessible for the plasma television.
- Provide adequate ventilation so that the temperature around the television does not rise above 40°C (104 °F). If there is insufficient movement of the air inside the display, heat may build up inside the television and fire may result.

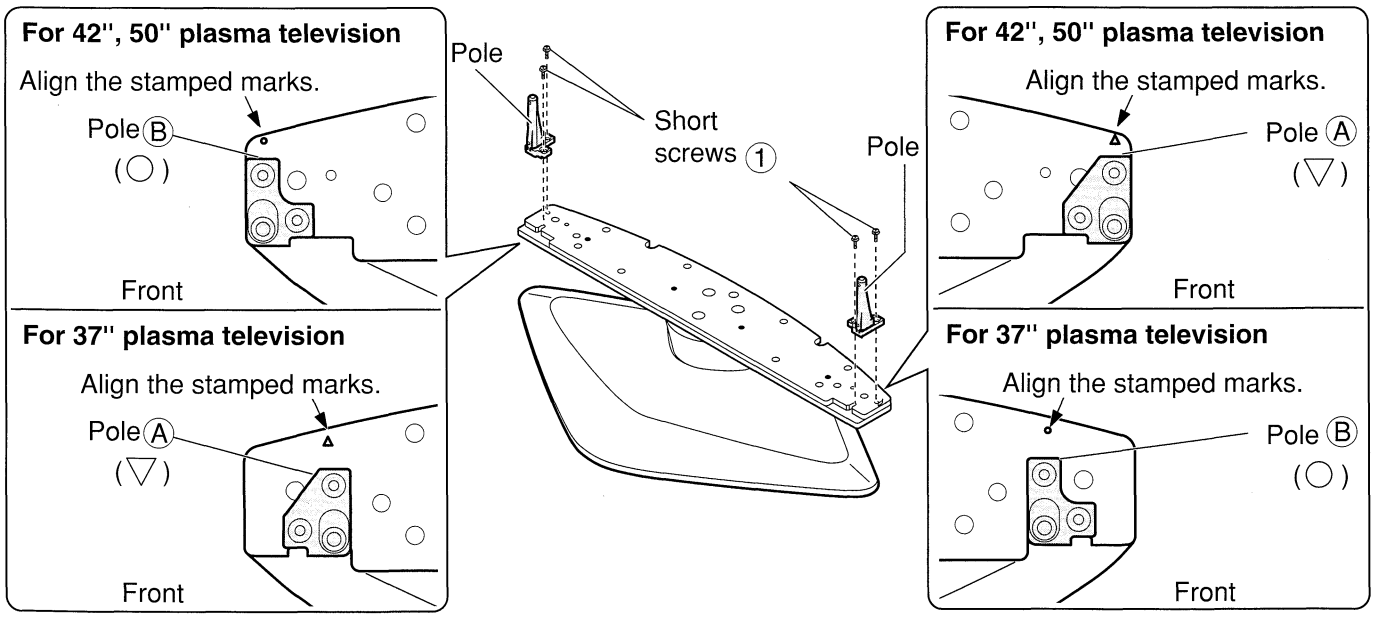
1) Fit the 37- and 42-inch plasma displays to the TY-ST42PX500, and the 50-inch plasma display to the TY-ST50PX500.
2) The illustrations show the TY-ST42PX500. The TY-ST50PX500 is not shown as it is similar in appearance.

Accessories for pedestal assembly

① Short screw 4	② Long screw 4	③ Pole.....2	④ Base 1	⑤ Band 2
				

Assembling the pedestal

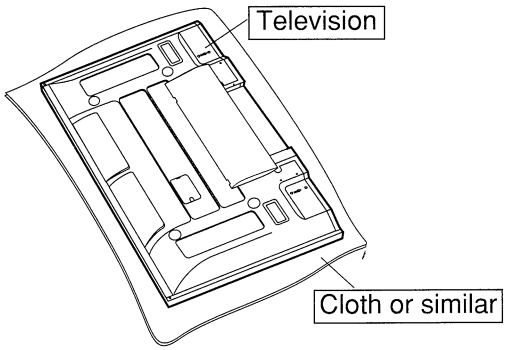
Using the four short screws ①, securely fasten the left and right poles to the base, as shown in the illustration below.



Assembling & setting up the pedestal

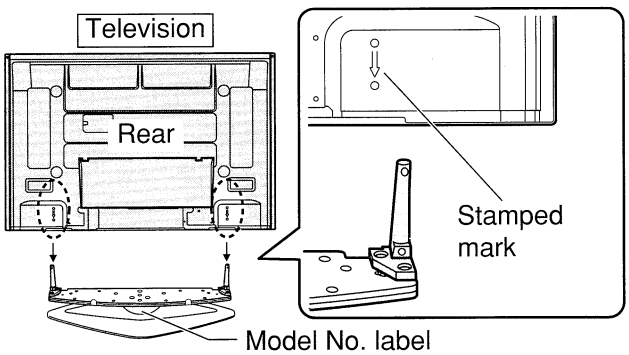
Attaching the pedestal to the television

1. Setting up Television unit



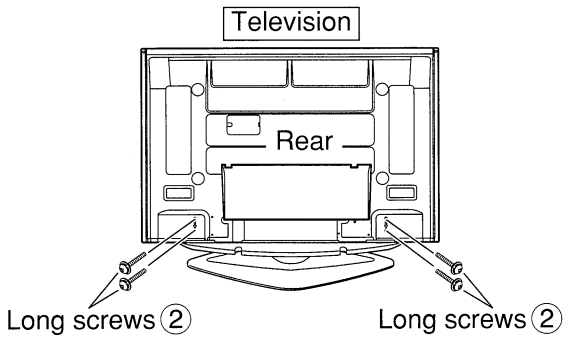
Spread a clean cloth or similar material over a level floor or base, and place the display unit on it face down.

2. Insert the poles into the holes in the television.



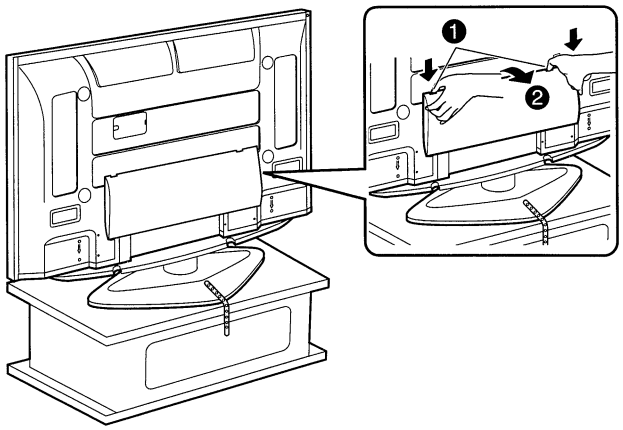
* Situate the pedestal so that the model No. label is facing to the rear. Push the pedestal assembly into the television until it stops.

3. Fasten with screws.



Securely fasten using the four long screws ②.
* Perform work at a horizontal, stable location.

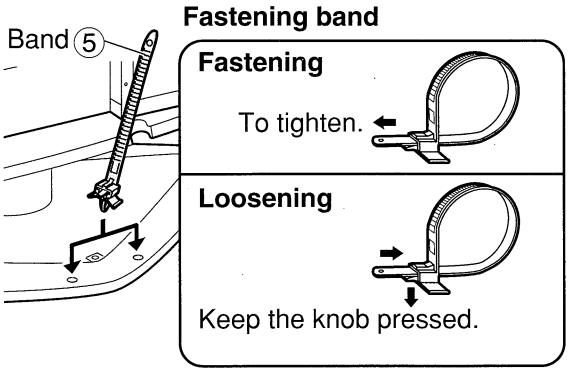
4. Remove cable cover.



❶ Push down hooks and pull the cover slightly towards yourself to disengage the claws (at 2 points).
❷ Slowly pull out in the downward direction.

Assembling & setting up the pedestal

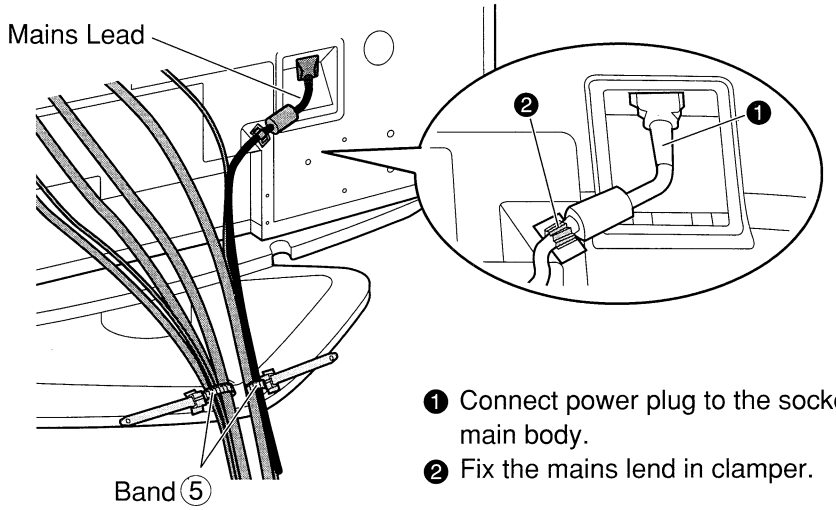
5. Attach the bands.



Insert the spigot on the two bands ⑤ into the pedestal.

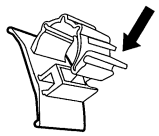
6. Connect cables and Mains lead fixing.

Example of "connection cable routing"



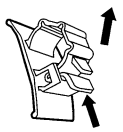
❶ Connect power plug to the socket of the main body.
❷ Fix the mains lend in clamper.

How to fix:



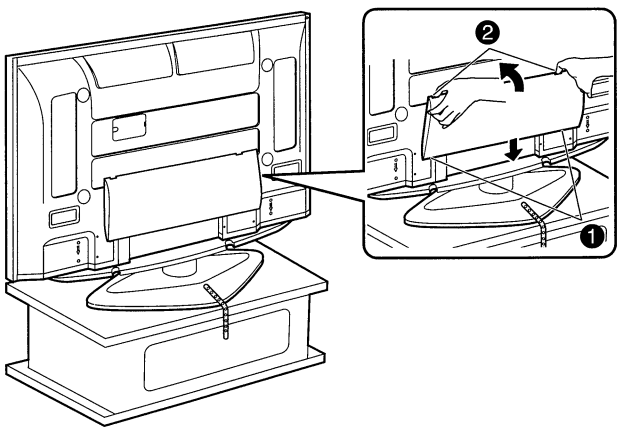
Fix by pushing in till a clicking sound is heard.

How to release:



Pull up while drawing the knob.

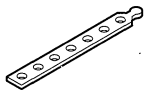
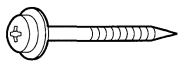
7. Fit the cable cover.

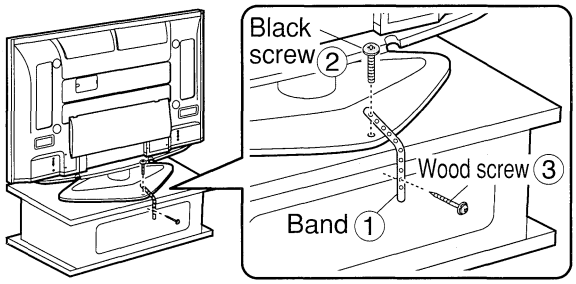
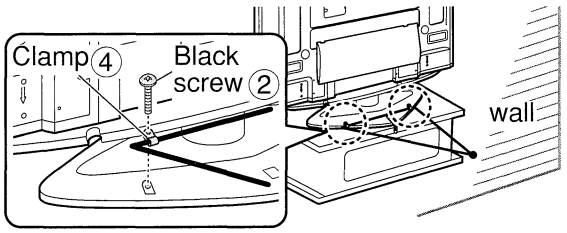
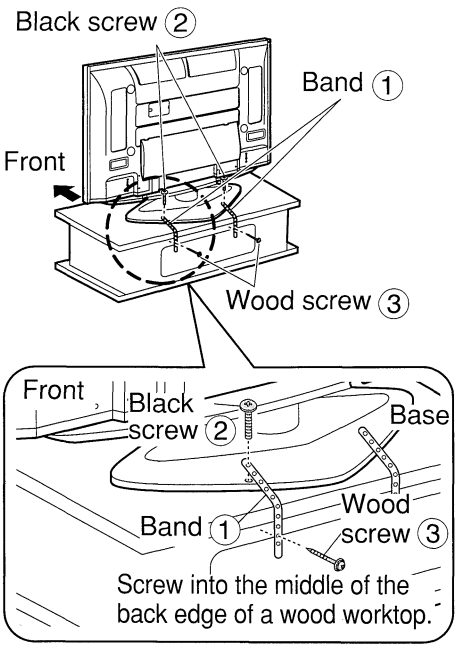
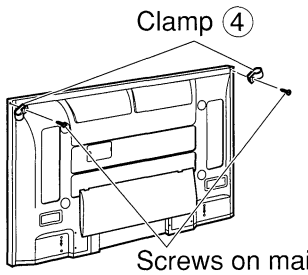
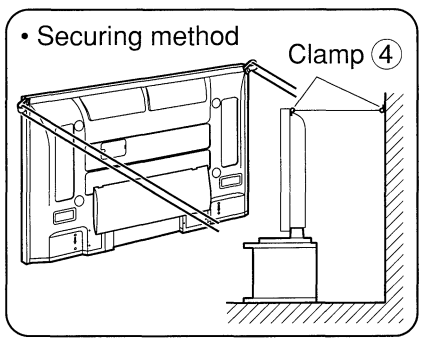


❶ Insert the claws (at 2 points) at the bottom end.
❷ Push it until hook will be cricked.

Preventing the plasma television from falling over

Accessories for pedestal security

① Band	② Black screw	③ Wood screw	④ Clamp
37"/42" 1 50" 2	37"/42" 3 50" 2	37"/42" 1 50" 2	2
			

	Securing to a base.	Securing to a wall.
37" **42"**		 * Use strong wire or chain which is commercially available to secure the plasma television to a solid area of the wall or a pillar.
50"		• Preparation  * Remove each rear screw indicated in the diagram above from the display main body and install a clamp. • Securing method  * Use strong wire or chain which is commercially available to secure the plasma television to a solid area of the wall or a pillar.

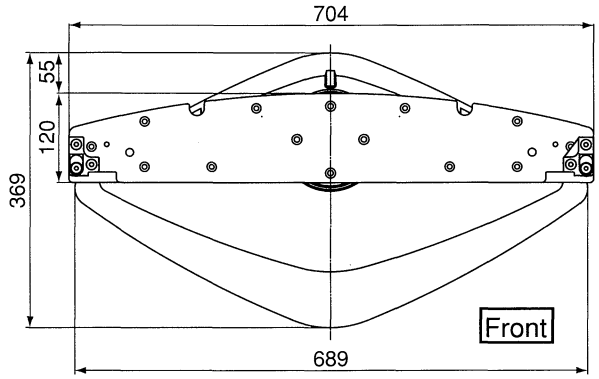
寸法図
Dimensions
Abmessungen
Afmetingen
Dimensioni

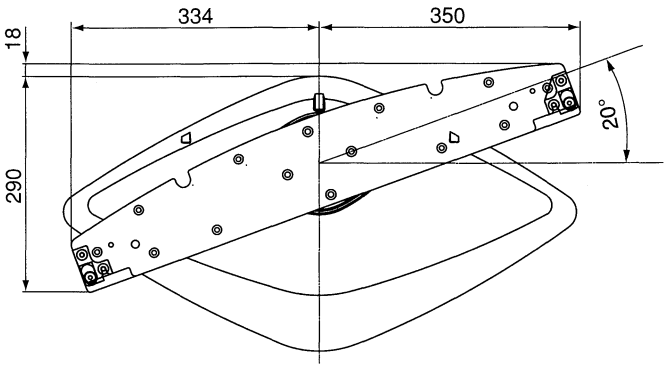
単位 : mm
Units : mm (inches)
Einheit : mm
Eenheden : mm
Unità : mm

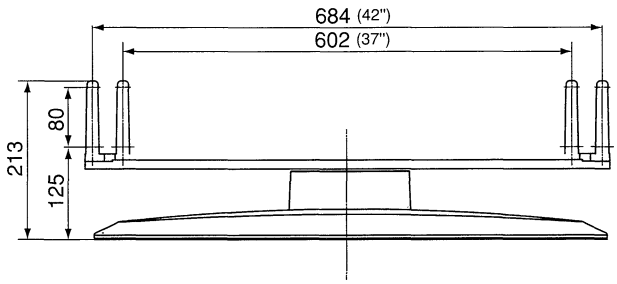
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Dimensiones
Mått
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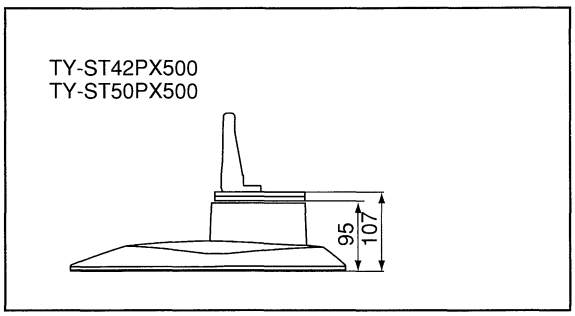
Unités : mm
Unidad : mm
Enhet : mm
Måleenheder : mm
単位：毫米

TY-ST42PX500

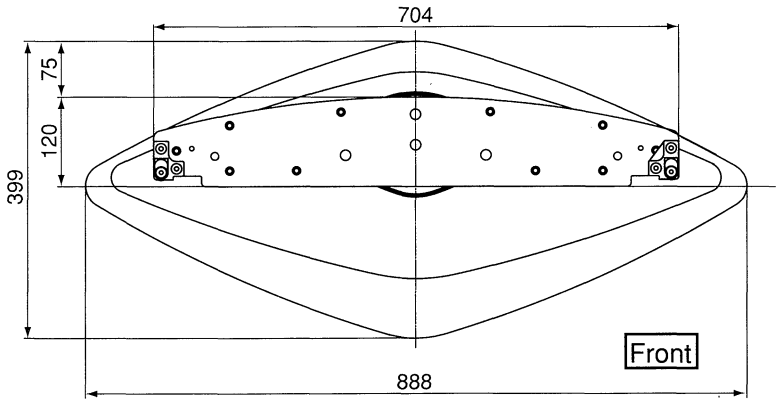


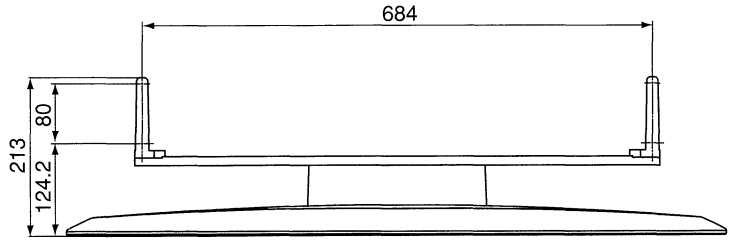






TY-ST50PX500





Matsushita Electric Industrial Co., Ltd.
Web Site : http://www.panasonic.co.jp/global/

M0105A0 (MBS)

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Display of LISTING in TV GUIDE

Even if the INITIAL GUIDE SETUP for TV Guide is completed, program listings are not displayed at this time because program schedule information does not have been provided yet. (See page 51 in Operating Instructions)
For the information to be acquired by TV Guide, please note the followings;

- It is strongly recommended that you wait at least 24 hours before using the unit. No damage will occur if the unit is used sooner, but the channel line-up and program listings may not have been fully downloaded. Listings begin to appear within 24 hours after a successful Setup.
- Please remember to turn off your TV, keeping the AC cord plug inserted, when not in use in order to receive program listings.
- If you find "There is no data for this screen" displayed on the television when you turn the unit on, the unit has not yet downloaded the channel line-up.
- This unit may download more than one channel line-up. Follow the on-screen guidance and select one of these.

■ If not received any Guide show listings, confirm the followings.

- For a newly installed unit, the TV Guide may not have been given enough time to download the initial data. This procedure can only occur when the unit is turned off for a period of 24 hours. (During this time, do not turn on the unit as the download will be interrupted.) Once the procedure takes place the phrase "No Listing" will be replaced with program information.
- Check the connections between the TV, cable, and antenna.
- Verify Setup information under Change System Settings.
- Review Screen 4 and Screen 5 in the Initial Guide Setup section. (See page 49, 50 in Operating Instructions)

Exhibición del listado de la guía de TV

Incluso si el AJUSTE INICIAL de la guía de TV es completado, los listados de programas no son desplegados en este tiempo por que la información de la programación no ha sido proporcionada todavía (Ver pagina 51 en el manual de instrucciones).
Para que la información sea adquirida por la guía de TV, observe por favor lo siguiente:

- Se recomienda que debe de esperar por lo menos 24 horas antes de usar la unidad. Ningún daño ocurrirá si la unidad se utiliza antes de este tiempo, pero los listados de programación y de canales no pudieron haber sido cargados completamente. Los listados comienzan a aparecer en el plazo de 24 horas después de un ajuste correcto.
- Por favor recuerde apagar su TV, manteniendo el cable de CA conectado, cuando la unidad no esta en uso se recibe los listados de los programas.
- Si usted encuentra "There is no data for this screen" desplegado en su televisor al encender la unidad, la unidad no a cargado todavía la información.
- Esta unidad puede descargar la programación de más de un canal, siga la guía en pantalla y seleccione uno de estos.

■ Si no ha recibió ningún listado de la guía, confirme lo siguiente:

- Para una unidad recién instalada, la guía de la TV probablemente no tuvo tiempo suficiente para descargar los datos iniciales. Este procedimiento solo puede ocurrir cuando la unidad esta apagada por un periodo de 24 horas (Durante este tiempo, no encender la unidad pues la descarga de información puede ser interrumpida). Una vez que termine el procedimiento la frase "No Listing" será sustituida con la información del programa.
- Revisar la conexión entre el TV, cable y antena.
- Verificar los ajustes de la guía de TV en "Change System Settings".
- Repase las pantallas 4 y 5 en la sección Ajuste Inicial para Guía TV.
 (Ver páginas 49, 50 en el manual de instrucción)

Affichage de la LISTE DES CANAUX du GUIDE TÉLÉ

Même si la CONFIGURATION INITIALE du Guide télé est terminée, la liste des canaux n'est pas encore affichée parce que les informations des programmes télévisées n'ont pas encore été fournies.(Voir page 51 du Manuel d'utilisation)
Pour les informations qui doivent être reçues par le Guide télé, veuillez vous reportez aux points suivants;

- Il est fortement recommandé d'attendre au moins 24 heures avant d'utiliser l'appareil. Aucun dommage ne se produira si vous utilisez l'appareil avant, mais la liste des canaux et des émissions peut ne pas encore avoir été complètement téléchargée. Les listes commencent à apparaître en 24 heures après une configuration réussie.
- N'oubliez pas de mettre le téléviseur hors tension en laissant la fiche du cordon d'alimentation insérée, quand l'appareil n'est pas utilisé, afin de recevoir les listes des émissions.
- Si "There is no data for this screen" (Il n'y a pas de données pour cet écran) apparaît sur le téléviseur quand vous le mettez sous tension, c'est qu'il n'a pas encore téléchargé la liste des canaux.
- Cet appareil peut télécharger plus d'une liste des canaux. Suivez le guidage sur l'écran et choisissez une des listes.

■ Si l'appareil ne reçoit aucune liste d'émissions, vérifiez ce qui suit.

- Si l'appareil vient juste d'être installé, le Guide télé peut ne pas avoir eu suffisamment de temps pour télécharger les données initiales. Cette procédure peut uniquement être réalisée si l'appareil est laissé hors tension pendant une période de 24 heures. (Pendant cette période, ne mettez pas l'appareil sous tension, car le téléchargement serait interrompu.) Une fois la procédure terminée, le message "No Listing" (pas de liste) est remplacé par les informations sur les émissions.
- Vérifiez les connexions entre le téléviseur, le câble et l'antenne.
- Vérifiez les informations réglées dans Change System Settings.
- Consultez à nouveau l'écran 4 et l'écran 5 de la section Configuration initiale.
 (Voir pages 49, 50 du Manuel d'utilisation)

To use the TV Guide On Screen™ function, you must be located within the reception area of TV stations broadcasting TV Guide On Screen™ data.

Over-the-air or cable access to stations carrying TV Guide On Screen™ data is required for the TV Guide On Screen™ function to operate.
The data provider may elect to discontinue the service or it may cease to be available in your area. In either of these cases, the TV Guide On Screen™ function will no longer operate. Contact your signal provider to check availability in your area.
The factory default setting is to display the TV Guide channel list whenever the TV is powered on. To disable this mode and view a TV channel each time the TV is powered on, press the "TV Guide" button on the remote control and select "SETUP" in the Service Bar of the TV Guide.
(See "Watching TV programs" on page 21 of the Operation Instructions for details.)

Para poder emplear la función TV Guide On Screen™, deberá estar ubicado dentro del área de recepción de las emisoras de TV que difunden datos de TV Guide On Screen™.

Para que pueda operar la función de TV Guide On Screen™, es necesario acceder con la antena o por cable a emisoras que transmitan datos de TV Guide On Screen™.
El proveedor de datos puede optar por interrumpir el servicio o éste puede dejar de estar disponible en su localidad.
En cualquiera de los casos, la función de TV Guide On Screen™ dejará de funcionar. Pregúntele a su proveedor sobre la disponibilidad de estos datos en su localidad.
El ajuste predeterminado de fábrica es el de visualizar la lista de canales de Guía de TV cuando se conecta la alimentación del televisor.
Para desactivar este modo y mirar un canal de TV siempre que conecte la alimentación, presione el botón TV GUIDE del mando a distancia y seleccione "SETUP" en la Barra de servicio de TV GUIDE.
(Vea el apartado "Para ver programas de TV" en la página 21 del manual de instrucciones para encontrar más detalles al respecto.)

Pour utiliser la fonction TV Guide On Screen™, il convient de se tenir dans la zone de réception des données de TV Guide On Screen™ à partir des stations de télédiffusion.

L'accès des transmissions radiotélévisées ou par câble des stations d'émission des données TV Guide On Screen™ est requis pour obtenir la fonction TV Guide On Screen™.
Le prestataire des données a la faculté de cesser le service ou celui-ci peut devenir indisponible dans la localité où l'on réside.
Dans chaque cas, la fonction TV Guide On Screen™ ne répondra plus.
Contacter le prestataire des données de télécommunications pour vérifier les disponibilités dans la localité où l'on réside.
Le réglage par défaut en usine sert à afficher la liste des chaînes du Guide télé toutes les fois que la télévision est mise en marche.
Pour invalider ce mode et visualiser un canal de télévision aussitôt qu'on met la télévision en marche, presser le bouton pour ouvrir Guide télé de la télécommande, puis sélectionner "SETUP" de la Barre des services du TV Guide.
(Pour de plus amples détails, voir le chapitre intitulé "Visionnement d'un programme de télévision" à la page 21 du mode d'emploi.)

Addendum to "INITIAL GUIDE SETUP for TV Guide"

In "STEP 4: Configuring a VCR" in the INITIAL GUIDE SETUP for TV Guide, a screen is shown to explain the connection method between this unit and the VCR. Please make the following substitutions when reading the explanation and observing the diagram on the screen:

G-LINK cable → IR Blaster

G-LINK wand → IR Blaster emitter

The screen shows the G-LINK cable with two emitters, however, the IR Blaster bundled with this unit has one emitter.

(See page 50 in Operating Instructions)

Apéndice para el "AJUSTE DE GUÍA INICIAL para Guía de TV"

En "STEP 4: Configuring a VCR" de AJUSTE DE GUÍA INICIAL para Guía de TV, se muestra una pantalla para explicar el método de conexión entre esta unidad y la videograbadora. Haga las sustituciones siguientes cuando lea la explicación y fíjese en el diagrama de la pantalla:

G-LINK cable → IR Blaster

G-LINK wand → IR Blaster emitter

La pantalla muestra el cable G-LINK con dos emisores, sin embargo, el IR Blaster entregado con esta unidad sólo tiene un emisor.

(Ver página 50 en el manual de instrucción)

Addenda à la "CONFIGURATION INITIALE du Guide télé"

Dans "STEP 4: Configuring a VCR" de la section CONFIGURATION INITIALE du Guide télé, un écran apparaît pour expliquer la méthode de connexion entre cet appareil et le magnétoscope. Veuillez faire les remplacements suivant lorsque vous lisez le schéma sur l'écran:

G-LINK cable → IR Blaster

G-LINK wand → IR Blaster emitter

L'écran montre le câble G-LINK avec deux émetteurs alors que le câble (IR Blaster) fourni avec cet appareil n'en possède qu'un seul.

(Voir page 50 du Manuel d'utilisation)

IMPORTANT : TV Infrared(IR)Controller

This package contains the TV IR Controller.
The IR Controller must be installed to enable VCR recording using the TV Guide On Screen™ system.
To install the IR Controller:

1. Connect the IR Controller into the port labeled G-LINK™ on the back of the TV.
2. Place the IR blaster in front of your VCR, if applicable.

TQZH671

Panasonic

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to register your new purchase immediately:

1. **Protect Your New Investment**
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3. **Improved Product Development**
 Help us continue to design products that meet your needs.

See details inside...

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TQD2AA19104

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Panasonic Consumer Electronics Company
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Secaucus, NJ 07094



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MVK01-01

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ELECTRONICS COMPANY
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Important! Please complete and return within ten days.
You can also register online via the Internet at:
http://www.panasonic.com/register
It is not necessary to return this card in order to effectuate the limited warranty.

MVK01-01
Plasma

1. 1. ☐ Mr. 2. ☐ Mrs. 3. ☐ Ms. 4. ☐ Miss
First Name **Initial** **Last Name**

Street **Apt. No.**

City **State** **ZIP Code**

2. E-mail Address:

3. Telephone number:
() –

4. Date of purchase: / / *Month Day Year*

5. A. Model #: *(refer to operating manual or box)*

B. Serial #: *(refer to the product)*

6. Name of store where purchased:

City **State**

or website address if purchased via the internet:

7. Price paid (excluding service contract, shipping and taxes): $.00

8. Did you purchase or receive an extended service contract with your product?
1. ☐ Yes 2. ☐ No

9. Is this product:
1. ☐ The first plasma you've ever purchased?
2. ☐ A replacement for another plasma?
3. ☐ An additional product, already own one other plasma?
4. ☐ An additional product, already own two or more other plasmas?

10. Where did you first learn about this product?
01. ☐ Received as a Gift
02. ☐ In-store Display
03. ☐ Store Advertisement/ Store Flyer/Circular
04. ☐ Newspaper Ad
05. ☐ Magazine Ad
06. ☐ TV Advertisement
07. ☐ Radio Advertisement
08. ☐ Magazine Article/Review
09. ☐ Catalog
10. ☐ Direct Mail Promotion
11. ☐ Friend/Family Recommendation
12. ☐ Salesperson Recommendation
13. ☐ Internet
14. ☐ Other

11. What were the most important factors that influenced your selection of this product? *(check up to 2 responses)*
01. ☐ Trust in Panasonic
02. ☐ Quality
03. ☐ Features
04. ☐ Price
05. ☐ Size
06. ☐ Appearance/Design
07. ☐ Ease of Operation
08. ☐ Salesperson's Recommendation
09. ☐ Friend/Family Recommendation
10. ☐ Online Research
11. ☐ Warranty
12. ☐ Other

12. What were the most important features that influenced your selection of this product? *(check up to 3 responses)*
01. ☐ Picture Quality
02. ☐ Plasma display is HD (high definition)
03. ☐ Plasma display is ED (standard definition)
04. ☐ Comb Filter
05. ☐ Sound Quality
06. ☐ Surround Sound
07. ☐ Input Jacks
08. ☐ Picture-in-Picture
09. ☐ Lighted Remote
10. ☐ On-screen Menu
11. ☐ Parental Controls
12. ☐ Other

13. Which of the following brands did you seriously consider before selecting Panasonic? *(check all that apply)*
01. ☐ Did not consider any other brands
02. ☐ Apex
03. ☐ Hitachi
04. ☐ JVC
05. ☐ Mitsubishi
06. ☐ Philips
07. ☐ Pioneer
08. ☐ RCA
09. ☐ Sampo
10. ☐ Samsung
11. ☐ Sanyo
12. ☐ Sharp
13. ☐ Sony
14. ☐ Sylvania
15. ☐ Toshiba
16. ☐ Zenith
17. ☐ Other

14. In what room is this new product located?
1. ☐ Living Room
2. ☐ Family Room
3. ☐ Home Theater or Media Room
4. ☐ Master Bedroom
5. ☐ Other Bedroom
6. ☐ Other

15. Where is this product placed?
1. ☐ On pedestal stand included
2. ☐ On display stand
3. ☐ Wall-hanging bracket

16. What products did you connect to your Plasma TV?
1. ☐ VCR
2. ☐ DVD Player
3. ☐ DVD Recorder
4. ☐ Set-top Box
5. ☐ 5.1 Channel Surround Amplifier
6. ☐ PC
7. ☐ Blue Ray Disk

17. Which types of programs do you watch regularly?
1. ☐ HDTV Programming
2. ☐ Sports
3. ☐ Movies
4. ☐ News
5. ☐ Other

18. Your date of birth: / *Month Year*

19. Marital status: 1. ☐ Married 2. ☐ Single

20. *Not including yourself*, what is the GENDER and AGE (in years) of children and other adults living in your household?

1. ☐ No one else in household			2. ☐ Child under 1 year		
Male	**Female**	**Age**	**Male**	**Female**	**Age**
1. ☐	2. ☐	yrs.	1. ☐	2. ☐	yrs.
1. ☐	2. ☐	yrs.	1. ☐	2. ☐	yrs.

21. Occupation: *(check all that apply)*

	You	**Spouse**
Professional/Technical	☐	1. ☐
Upper Management/Executive	☐	2. ☐
Middle Management	☐	3. ☐
Sales/Marketing	☐	4. ☐
Clerical/Service Worker	☐	5. ☐
Tradesman/Machine Operator/Laborer	☐	6. ☐

22. Are you or your spouse

	You	**Spouse**
A Homemaker?	☐	1. ☐
Retired?	☐	2. ☐
A Student?	☐	3. ☐
Self Employed/Business Owner?	☐	4. ☐
Working from a Home Office?	☐	5. ☐
In the Military?	☐	6. ☐
A Federal Employee?	☐	7. ☐

23. Which group describes your annual family income?
01. ☐ Under $15,000
02. ☐ $15,000-$19,999
03. ☐ $20,000-$29,999
04. ☐ $30,000-$39,999
05. ☐ $40,000-$49,999
06. ☐ $50,000-$59,999
07. ☐ $60,000-$74,999
08. ☐ $75,000-$99,999
09. ☐ $100,000-$124,999
10. ☐ $125,000-$149,999
11. ☐ $150,000-$174,999
12. ☐ $175,000-$199,999
13. ☐ $200,000-$249,999
14. ☐ $250,000 & over

24. Level of education: *(check highest level completed)*
1. ☐ Completed High School
2. ☐ Completed College
3. ☐ Completed Graduate School

25. Which credit cards do you use regularly?
1. ☐ American Express, Diners Club
2. ☐ MasterCard, Visa, Discover
3. ☐ Dept. Store, Oil Company, etc.
4. ☐ Do not use credit cards

26. For your primary residence, do you: 1. ☐ Own? 2. ☐ Rent?

27. Which of the following do you plan to do within the next 6 or 12 months?

	1-6 Months	**7-12 Months**
Get Married	☐	1. ☐
Have a Baby	☐	2. ☐
Buy a House	☐	3. ☐
Remodel a Home	☐	4. ☐
Move to a New Residence	☐	5. ☐
Buy a Personal Computer	☐	6. ☐
Buy/Lease a New Vehicle	☐	7. ☐
Buy/Lease a Used Vehicle	☐	8. ☐

28. Please check all that apply to your household.
01. ☐ Shop by Catalog/Mail
02. ☐ Member of Frequent Flyer Program
03. ☐ Donate to Charitable Causes
04. ☐ Own a Compact Disc Player
05. ☐ Have a Dog
06. ☐ Have a Cat
07. ☐ Own a Cellular Phone
08. ☐ Subscribe to an Online/Internet Service
09. ☐ Own an IBM or Compatible Computer
10. ☐ Own an Apple/Macintosh Computer
11. ☐ Own a CD-ROM

(PLEASE CONTINUE ON BACK) ➤ ➤ ➤

29. To help us understand our customers' lifestyles, please indicate the interests and activities in which *you* or *your spouse* enjoy participating on a *regular* basis.

01. ☐ Bicycling
02. ☐ Golf
03. ☐ Physical Fitness/Exercise
04. ☐ Running/Jogging
05. ☐ Snow Skiing
06. ☐ Tennis
07. ☐ Camping/Hiking
08. ☐ Fishing
09. ☐ Hunting/Shooting
10. ☐ Horseback Riding
11. ☐ Powerboating
12. ☐ Sailing
13. ☐ Grandchildren
14. ☐ Needlework/Knitting/Sewing
15. ☐ Flower Gardening
16. ☐ Vegetable Gardening
17. ☐ Crafts
18. ☐ Buy Prerecorded Videos
19. ☐ Automotive Work
20. ☐ Electronics
21. ☐ Home Workshop/Do-It-Yourself
22. ☐ Recreation Vehicles
23. ☐ Listen to Records/Tapes/CDs
24. ☐ Surf the Internet
25. ☐ Avid Book Reading
26. ☐ Bible/Devotional Reading
27. ☐ Health/Natural Foods
28. ☐ Photography
29. ☐ Attending Cultural/Arts Events
30. ☐ Fashion Clothing
31. ☐ Fine Art/Antiques
32. ☐ Foreign Travel
33. ☐ Cruise Ship Vacations
34. ☐ Travel in USA
35. ☐ Gourmet Cooking/Fine Foods
36. ☐ Wines
37. ☐ Coin/Stamp Collecting
38. ☐ Collectibles/Collections
39. ☐ Our Nation's Heritage
40. ☐ Real Estate Investments
41. ☐ Stocks/Bonds/Mutual Funds
42. ☐ Entering Sweepstakes
43. ☐ Casino Gambling
44. ☐ Science Fiction
45. ☐ Wildlife/Environmental Issues
46. ☐ Dieting/Weight Control
47. ☐ Science/New Technology
48. ☐ Self-Improvement
49. ☐ Walking for Health
50. ☐ Watching Sports on TV
51. ☐ Home Video Recording
52. ☐ Moneymaking Opportunities

30. Using the numbers in the above list, please indicate your 3 most important activities:

Thanks for taking the time to fill out this questionnaire. Your answers will be used for market research studies and reports. They will also allow you to receive important mailings and special offers from a number of fine companies whose products and services relate directly to the specific interests, hobbies, and other information indicated above. Through this selective program, you will be able to obtain more information about activities in which you are involved and less about those in which you are not. Please check here if, for some reason, you would prefer *not* to participate in this opportunity. ☐

Please check here if you do not want to receive mailings and offers from Panasonic using your E-mail address. ☐

Failure to return this card will not diminish your warranty rights.

Send any correspondence about our product to:
Panasonic Consumer Affairs / 2F-3, Panasonic Consumer Electronics Company,
One Panasonic Way, Secaucus, NJ 07094

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▲

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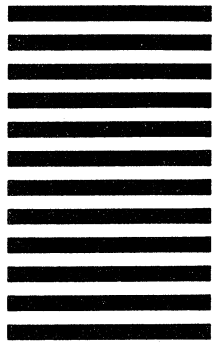
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PRODUCT INFORMATION CARD

I OWN A: ☐ **Panasonic** ☐ **Quasar** ☐ **Technics**

Model No.	Date of Purchase
Serial No.	

Yes! I would like more information regarding the "Early Bird" discount offer for the manufacturers extended service plan. I understand that you will promptly contact me with more information

(Please Print)

Name _____

Address _____ Apt. _____

City _____ State _____ Zip _____

() _____ _____A.M. _____P.M.

Phone Best time to call

6-00